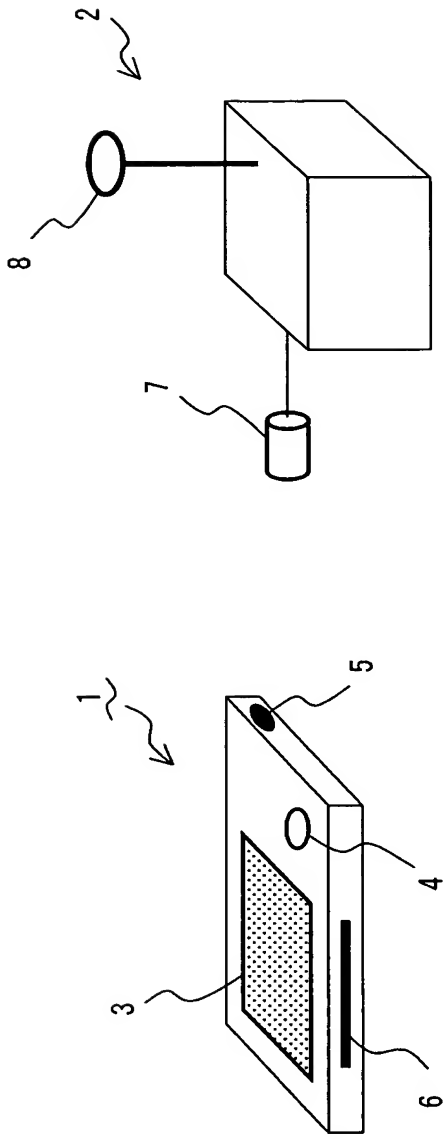

FIG. 1

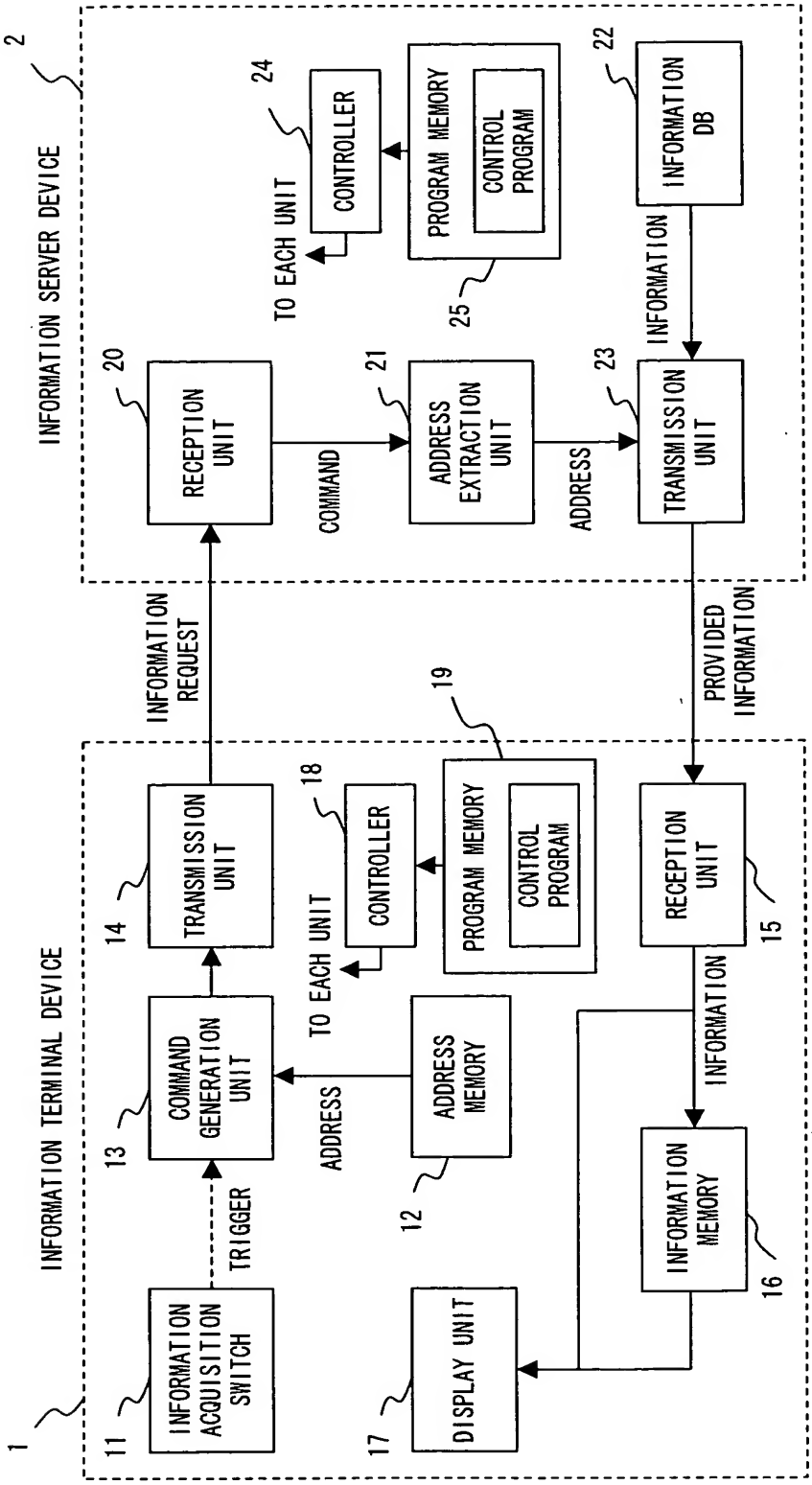
1
INFORMATION TERMINAL DEVICE
2
INFORMATION SERVER DEVICE
11
INFORMATION ACQUISITION SWITCH
TRIGGER
12
ADDRESS MEMORY
13
COMMAND GENERATION UNIT
14
TRANSMISSION UNIT
15
RECEPTION UNIT
16
INFORMATION MEMORY
17
DISPLAY UNIT
18
CONTROLLER
19
PROGRAM MEMORY
CONTROL PROGRAM
20
RECEPTION UNIT
21
ADDRESS EXTRACTION UNIT
22
INFORMATION DB
23
TRANSMISSION UNIT
24
CONTROLLER
25
PROGRAM MEMORY
CONTROL PROGRAM
ADDRESS
TO EACH UNIT
COMMAND
INFORMATION
INFORMATION REQUEST
PROVIDED INFORMATION

FIG. 2

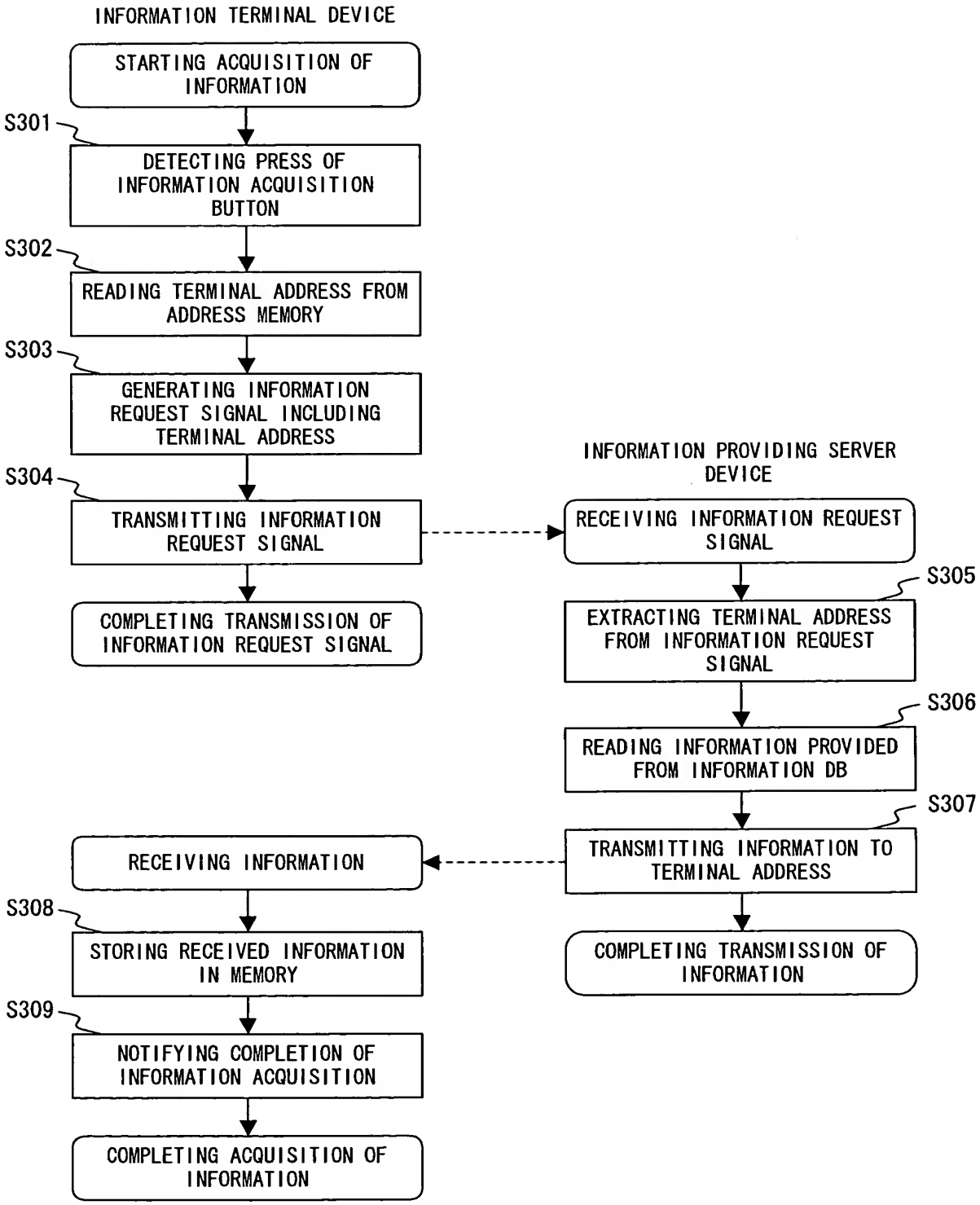
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S301
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S302
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S303
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S304
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S305
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S306
READING INFORMATION PROVIDED FROM INFORMATION DB
S307
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S308
STORING RECEIVED INFORMATION IN MEMORY
S309
NOTIFYING COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION

FIG. 3

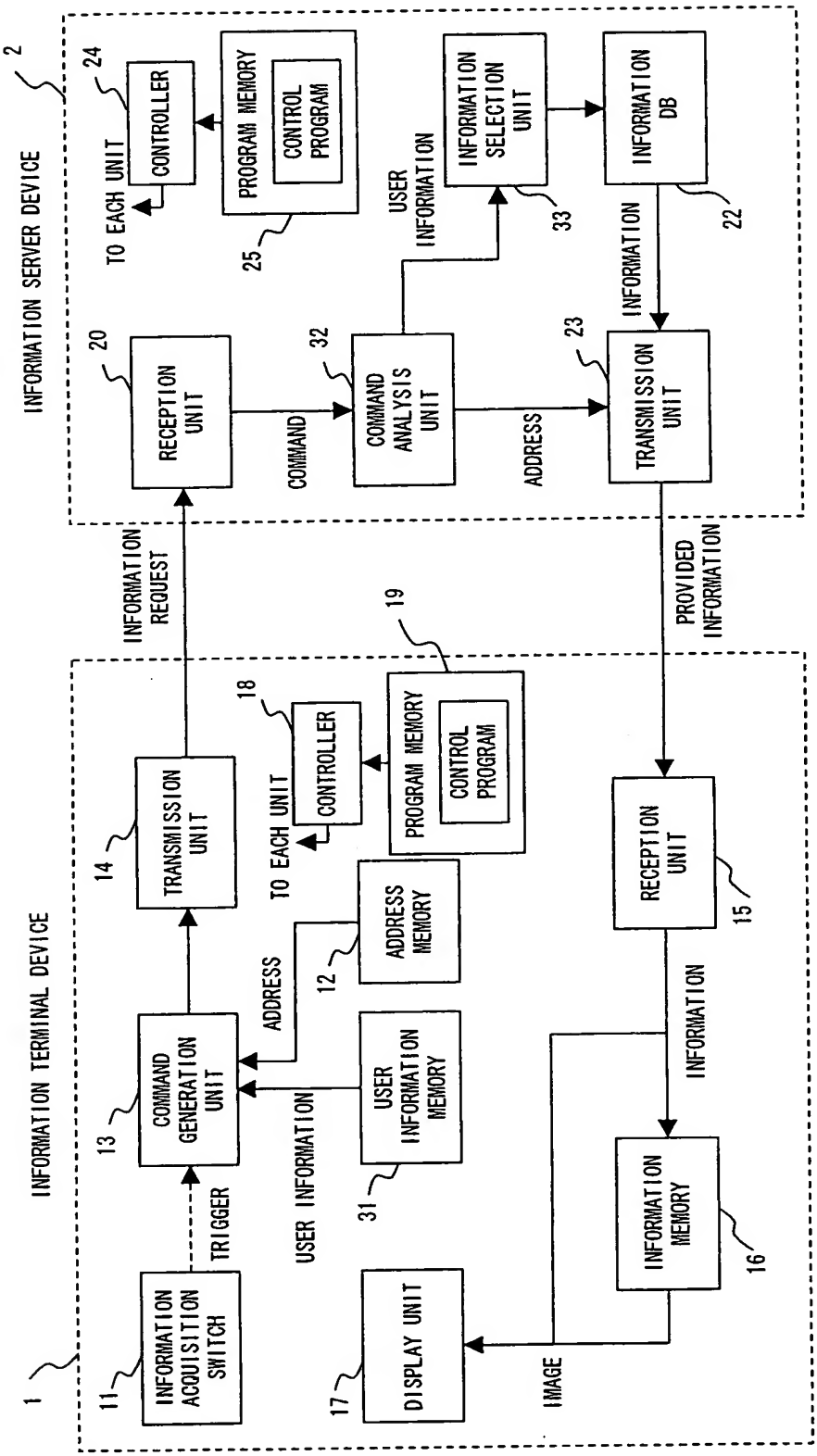
INFORMATION TERMINAL DEVICE
1
INFORMATION ACQUISITION SWITCH
11
TRIGGER
COMMAND GENERATION UNIT
13
TRANSMISSION UNIT
14
INFORMATION REQUEST
ADDRESS
ADDRESS MEMORY
12
TO EACH UNIT
CONTROLLER
18
PROGRAM MEMORY
CONTROL PROGRAM
19
USER INFORMATION
USER INFORMATION MEMORY
31
DISPLAY UNIT
17
IMAGE
RECEPTION UNIT
15
INFORMATION
INFORMATION MEMORY
16
PROVIDED INFORMATION
INFORMATION SERVER DEVICE
2
RECEPTION UNIT
20
COMMAND
COMMAND ANALYSIS UNIT
32
ADDRESS
TRANSMISSION UNIT
23
INFORMATION
INFORMATION DB
22
USER INFORMATION
INFORMATION SELECTION UNIT
33
TO EACH UNIT
CONTROLLER
24
PROGRAM MEMORY
CONTROL PROGRAM
25

FIG. 4

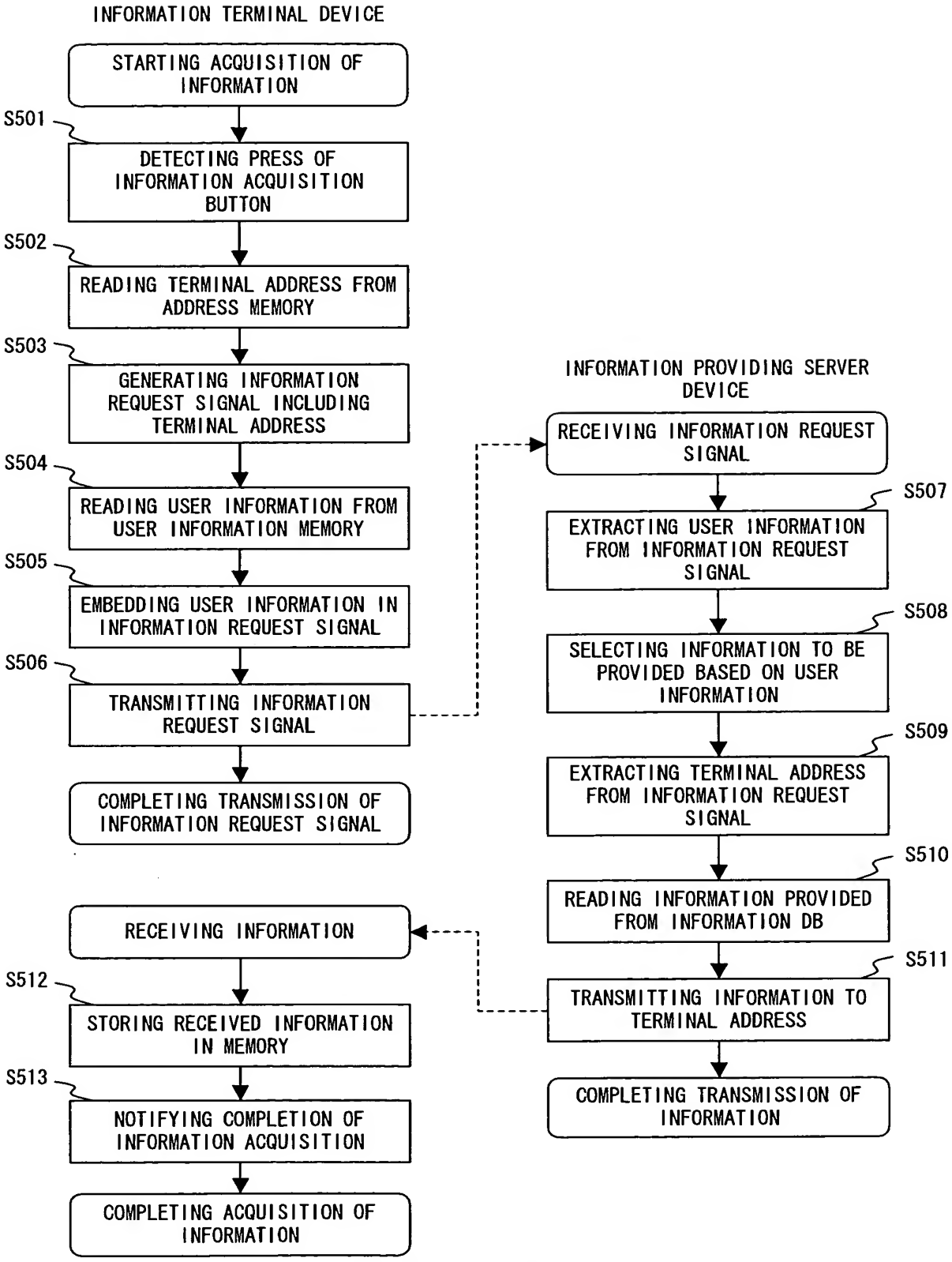
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S501
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S502
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S503
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S504
READING USER INFORMATION FROM USER INFORMATION MEMORY
S505
EMBEDDING USER INFORMATION IN INFORMATION REQUEST SIGNAL
S506
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
RECEIVING INFORMATION
S512
STORING RECEIVED INFORMATION IN MEMORY
S513
NOTIFYING COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S507
EXTRACTING USER INFORMATION FROM INFORMATION REQUEST SIGNAL
S508
SELECTING INFORMATION TO BE PROVIDED BASED ON USER INFORMATION
S509
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S510
READING INFORMATION PROVIDED FROM INFORMATION DB
S511
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION

FIG. 5

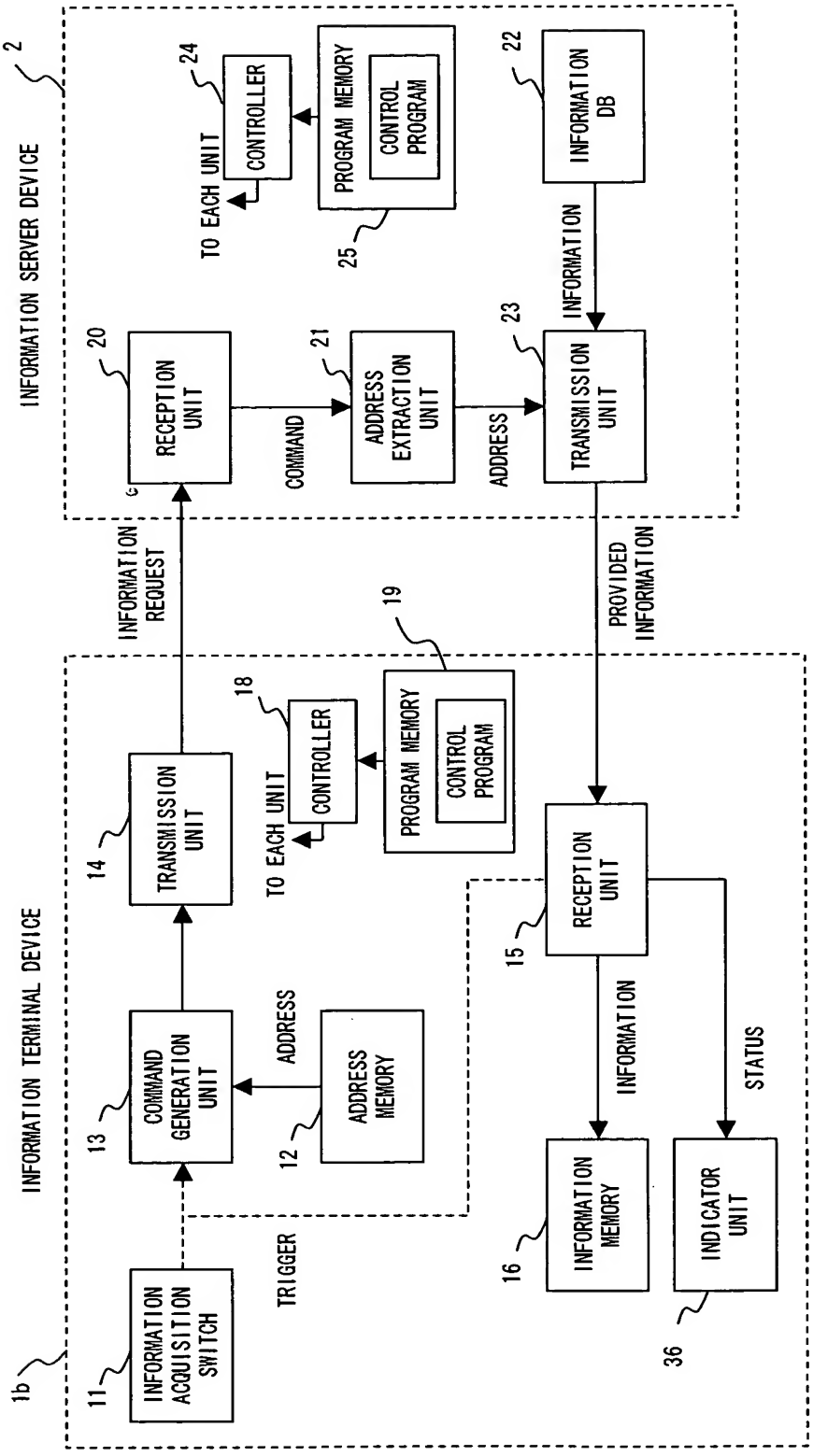
INFORMATION SERVER DEVICE
2
RECEPTION UNIT
20
ADDRESS EXTRACTION UNIT
21
TRANSMISSION UNIT
23
INFORMATION DB
22
CONTROLLER
24
PROGRAM MEMORY
CONTROL PROGRAM
25
TO EACH UNIT
COMMAND
ADDRESS
INFORMATION
INFORMATION REQUEST
PROVIDED INFORMATION
INFORMATION TERMINAL DEVICE
1b
TRANSMISSION UNIT
14
CONTROLLER
18
PROGRAM MEMORY
CONTROL PROGRAM
19
TO EACH UNIT
RECEPTION UNIT
15
COMMAND GENERATION UNIT
13
ADDRESS MEMORY
12
ADDRESS
INFORMATION ACQUISITION SWITCH
11
TRIGGER
INFORMATION MEMORY
16
INDICATOR UNIT
36
INFORMATION
STATUS

FIG. 6

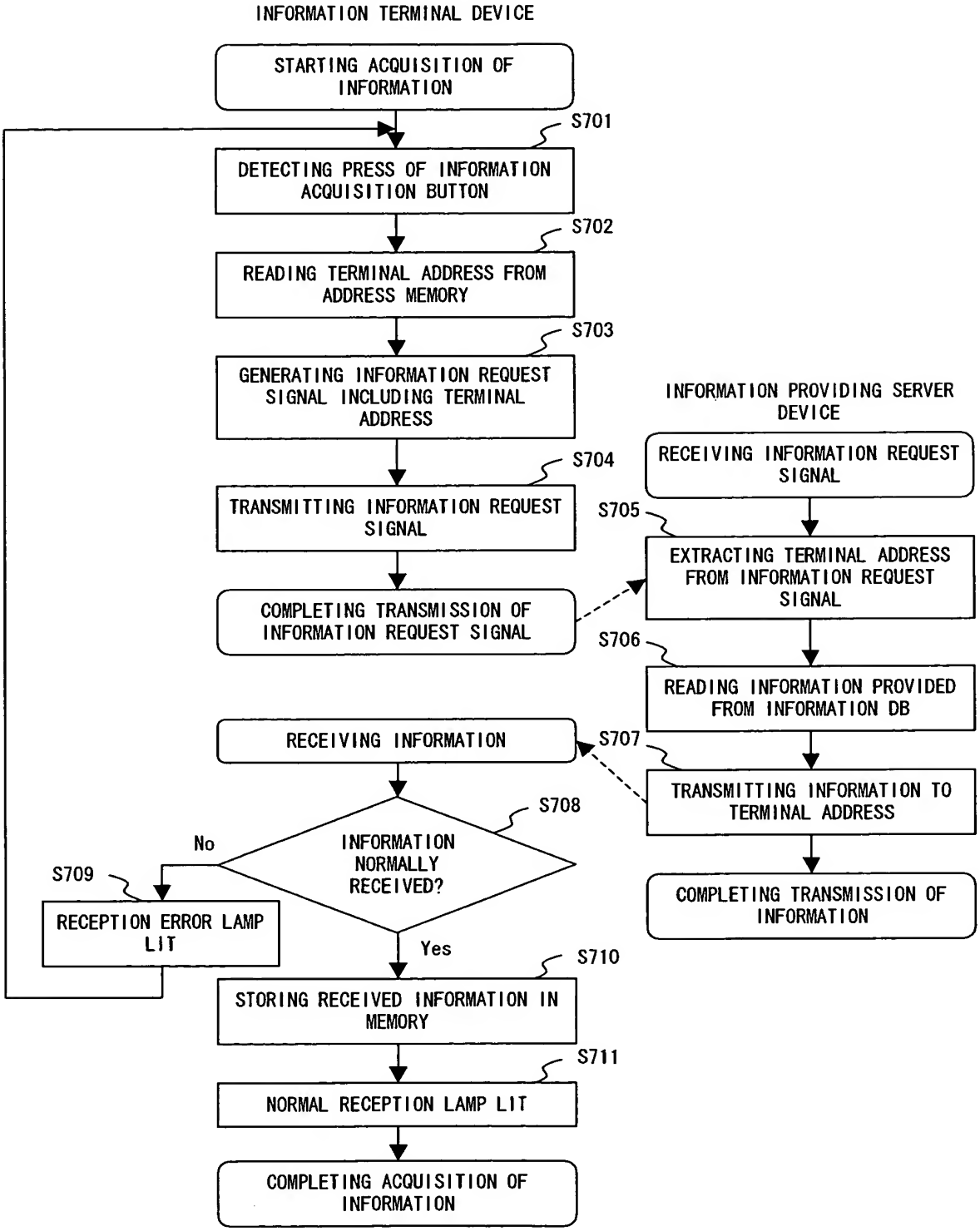
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S701
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S702
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S703
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S704
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
RECEIVING INFORMATION
S708
INFORMATION NORMALLY RECEIVED?
No
S709
RECEPTION ERROR LAMP LIT
Yes
S710
STORING RECEIVED INFORMATION IN MEMORY
S711
NORMAL RECEPTION LAMP LIT
COMPLETING ACQUISITION OF INFORMATION
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S705
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S706
READING INFORMATION PROVIDED FROM INFORMATION DB
S707
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION

FIG. 7

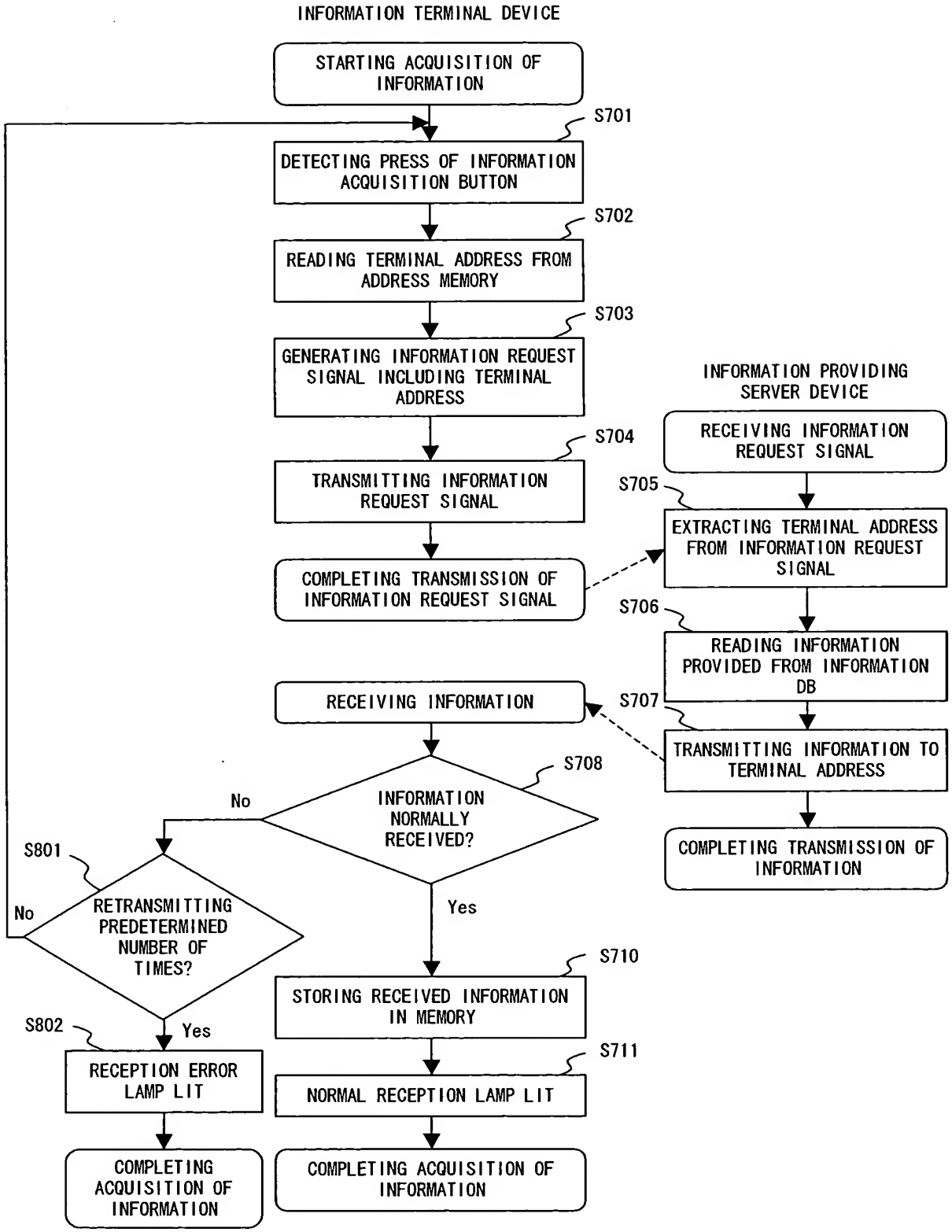
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S701
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S702
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S703
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S704
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S705
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S706
READING INFORMATION PROVIDED FROM INFORMATION DB
S707
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S708
INFORMATION NORMALLY RECEIVED?
No
Yes
S801
RETRANSMITTING PREDETERMINED NUMBER OF TIMES?
No
Yes
S802
RECEPTION ERROR LAMP LIT
COMPLETING ACQUISITION OF INFORMATION
S710
STORING RECEIVED INFORMATION IN MEMORY
S711
NORMAL RECEPTION LAMP LIT
COMPLETING ACQUISITION OF INFORMATION

FIG. 8

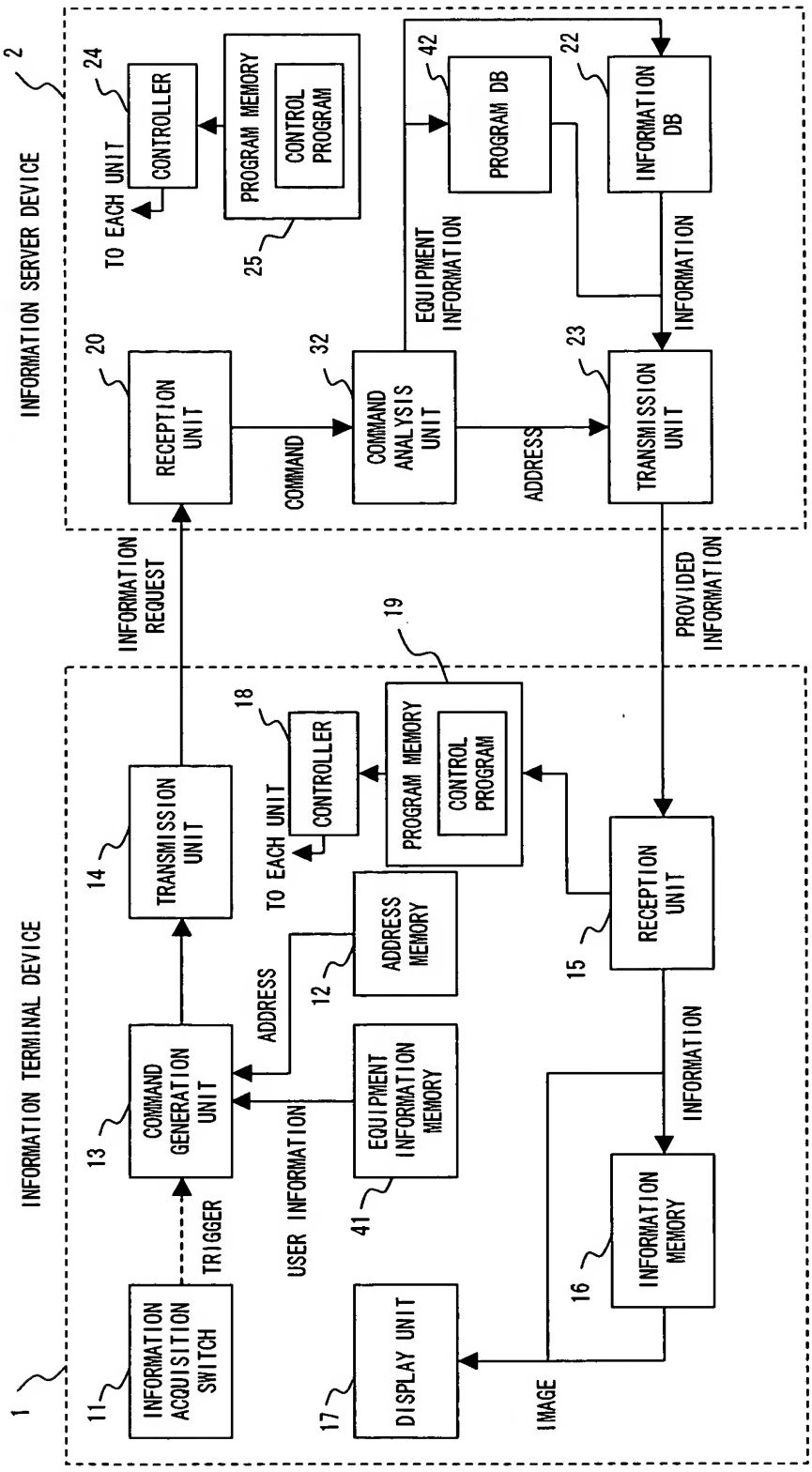
INFORMATION SERVER DEVICE
2
24
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
25
42
PROGRAM DB
22
INFORMATION DB
EQUIPMENT INFORMATION
INFORMATION
20
RECEPTION UNIT
32
COMMAND ANALYSIS UNIT
23
TRANSMISSION UNIT
COMMAND
ADDRESS
INFORMATION REQUEST
PROVIDED INFORMATION
INFORMATION TERMINAL DEVICE
1
19
18
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
14
TRANSMISSION UNIT
ADDRESS MEMORY
12
15
RECEPTION UNIT
13
COMMAND GENERATION UNIT
ADDRESS
EQUIPMENT INFORMATION MEMORY
41
INFORMATION
11
INFORMATION ACQUISITION SWITCH
TRIGGER
USER INFORMATION
16
INFORMATION MEMORY
17
DISPLAY UNIT
IMAGE

FIG. 9

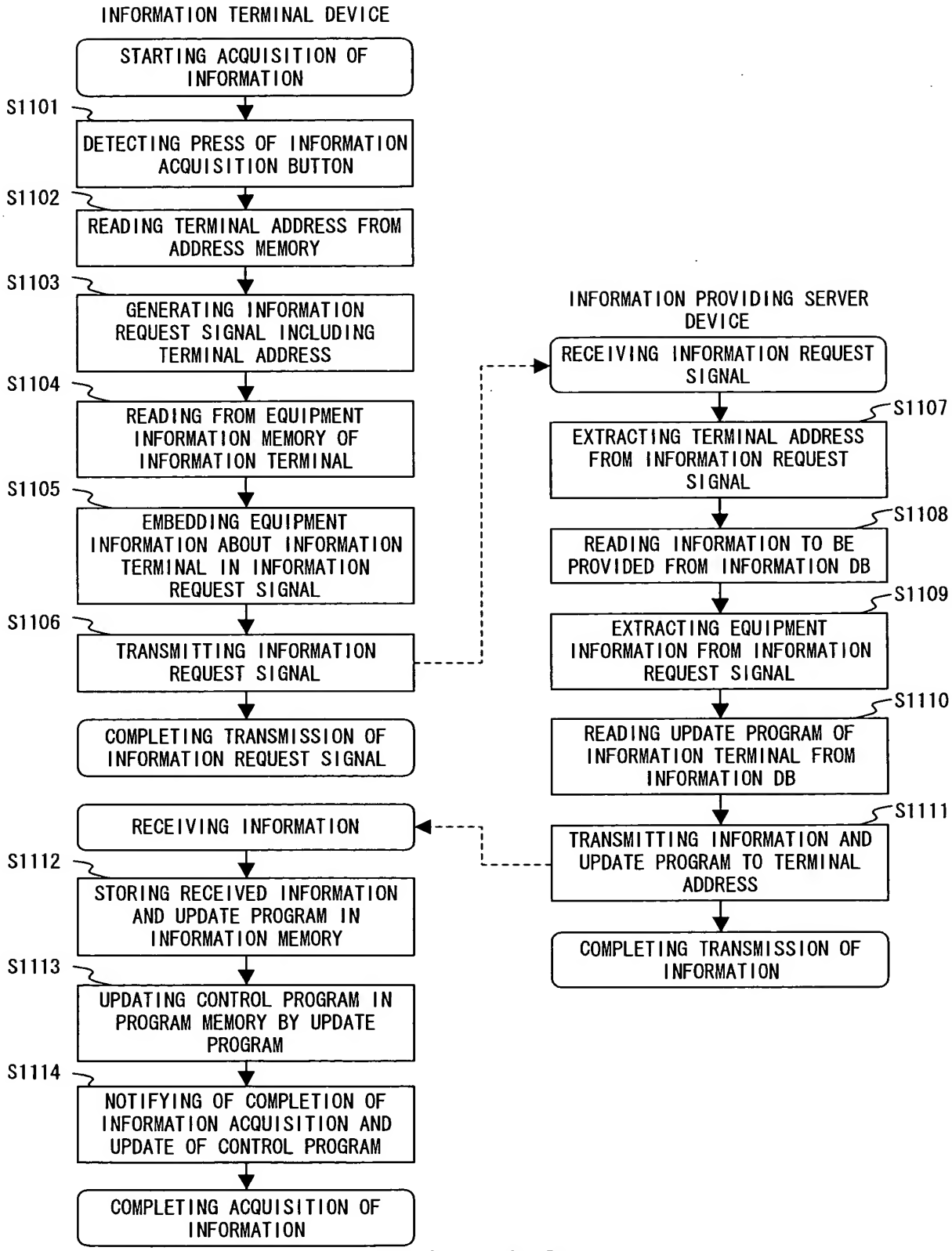
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S1101
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S1102
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S1103
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S1104
READING FROM EQUIPMENT INFORMATION MEMORY OF INFORMATION TERMINAL
S1105
EMBEDDING EQUIPMENT INFORMATION ABOUT INFORMATION TERMINAL IN INFORMATION REQUEST SIGNAL
S1106
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
RECEIVING INFORMATION
S1112
STORING RECEIVED INFORMATION AND UPDATE PROGRAM IN INFORMATION MEMORY
S1113
UPDATING CONTROL PROGRAM IN PROGRAM MEMORY BY UPDATE PROGRAM
S1114
NOTIFYING OF COMPLETION OF INFORMATION ACQUISITION AND UPDATE OF CONTROL PROGRAM
COMPLETING ACQUISITION OF INFORMATION
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S1107
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S1108
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S1109
EXTRACTING EQUIPMENT INFORMATION FROM INFORMATION REQUEST SIGNAL
S1110
READING UPDATE PROGRAM OF INFORMATION TERMINAL FROM INFORMATION DB
S1111
TRANSMITTING INFORMATION AND UPDATE PROGRAM TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION

FIG. 10

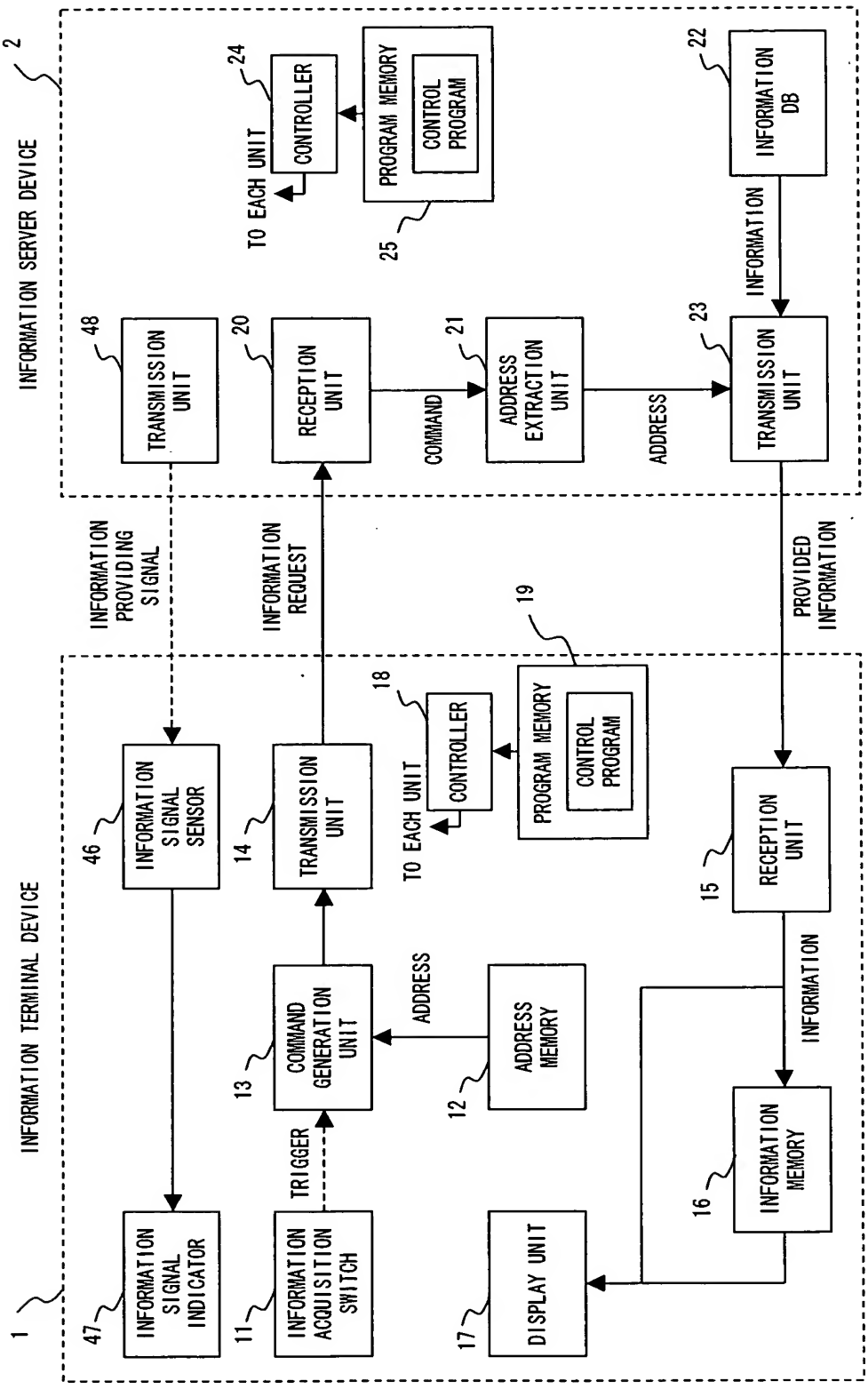
INFORMATION SERVER DEVICE
2
INFORMATION TERMINAL DEVICE
1
TRANSMISSION UNIT
48
RECEPTION UNIT
20
ADDRESS EXTRACTION UNIT
21
TRANSMISSION UNIT
23
INFORMATION DB
22
CONTROLLER
24
PROGRAM MEMORY
CONTROL PROGRAM
25
TO EACH UNIT
COMMAND
ADDRESS
INFORMATION
INFORMATION PROVIDING SIGNAL
INFORMATION REQUEST
PROVIDED INFORMATION
19
18
CONTROLLER
PROGRAM MEMORY
CONTROL PROGRAM
TO EACH UNIT
INFORMATION SIGNAL SENSOR
46
TRANSMISSION UNIT
14
RECEPTION UNIT
15
COMMAND GENERATION UNIT
13
ADDRESS
ADDRESS MEMORY
12
INFORMATION
TRIGGER
INFORMATION SIGNAL INDICATOR
47
INFORMATION ACQUISITION SWITCH
11
DISPLAY UNIT
17
INFORMATION MEMORY
16

FIG. 11

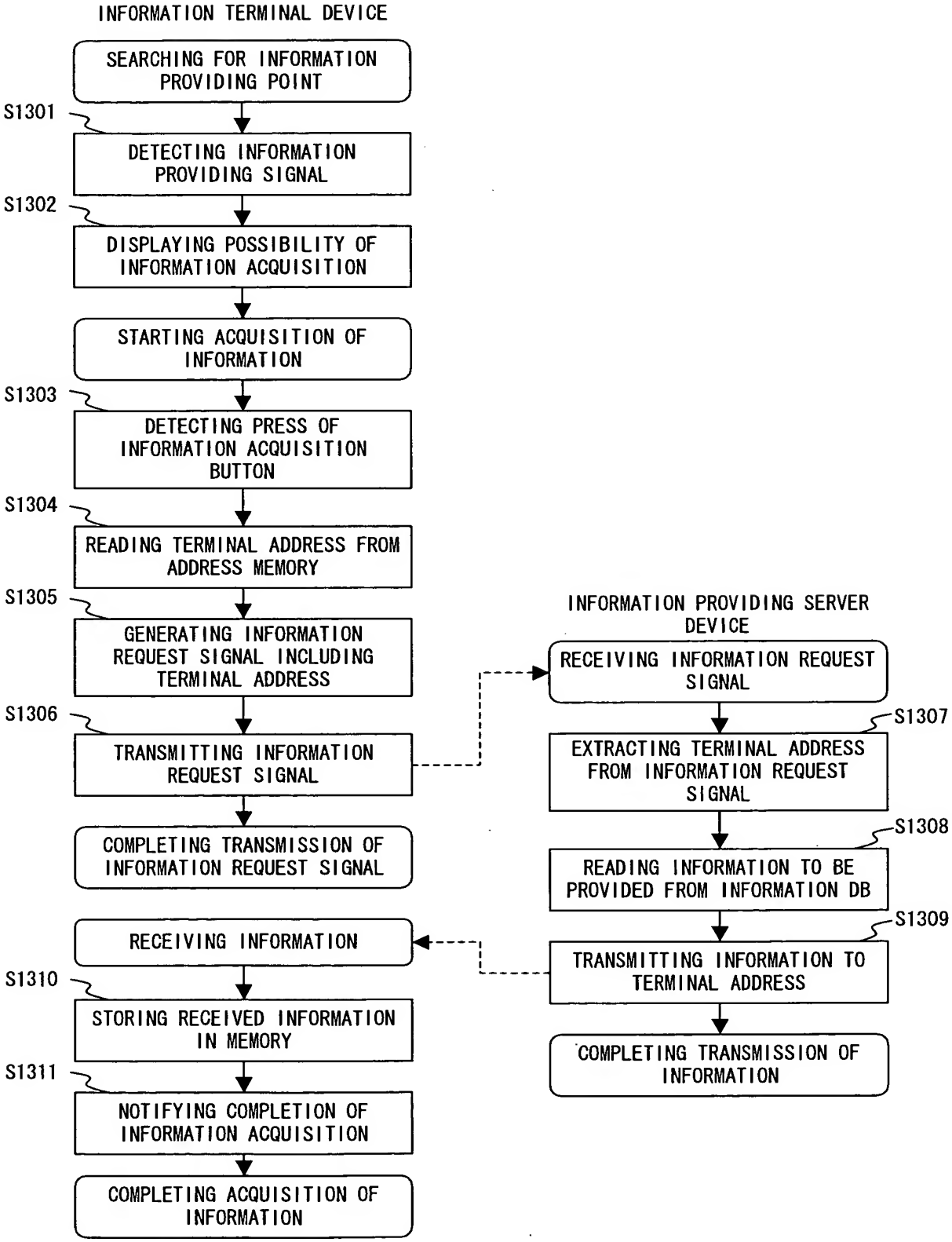
INFORMATION TERMINAL DEVICE
SEARCHING FOR INFORMATION PROVIDING POINT
S1301
DETECTING INFORMATION PROVIDING SIGNAL
S1302
DISPLAYING POSSIBILITY OF INFORMATION ACQUISITION
STARTING ACQUISITION OF INFORMATION
S1303
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S1304
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S1305
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S1306
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
RECEIVING INFORMATION
S1310
STORING RECEIVED INFORMATION IN MEMORY
S1311
NOTIFYING COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S1307
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S1308
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S1309
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION

FIG. 12

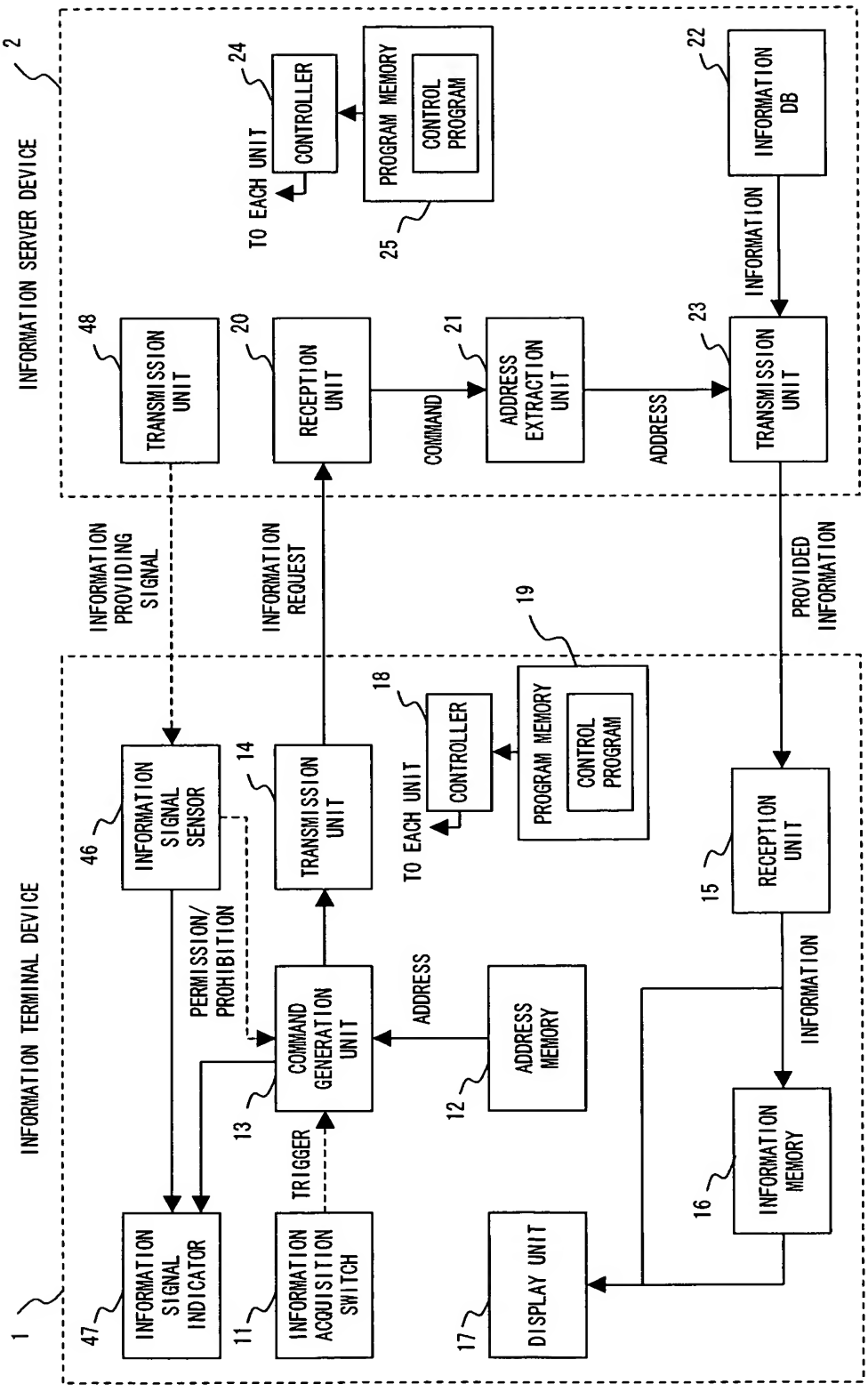
INFORMATION SERVER DEVICE
2
INFORMATION TERMINAL DEVICE
1
TRANSMISSION UNIT
48
RECEPTION UNIT
20
ADDRESS EXTRACTION UNIT
21
TRANSMISSION UNIT
23
INFORMATION DB
22
CONTROLLER
24
PROGRAM MEMORY
CONTROL PROGRAM
25
TO EACH UNIT
COMMAND
ADDRESS
INFORMATION
INFORMATION PROVIDING SIGNAL
INFORMATION REQUEST
PROVIDED INFORMATION
INFORMATION SIGNAL SENSOR
46
TRANSMISSION UNIT
14
CONTROLLER
18
PROGRAM MEMORY
CONTROL PROGRAM
19
TO EACH UNIT
RECEPTION UNIT
15
PERMISSION/ PROHIBITION
COMMAND GENERATION UNIT
13
ADDRESS
ADDRESS MEMORY
12
INFORMATION
INFORMATION SIGNAL INDICATOR
47
INFORMATION ACQUISITION SWITCH
11
TRIGGER
DISPLAY UNIT
17
INFORMATION MEMORY
16

FIG. 13

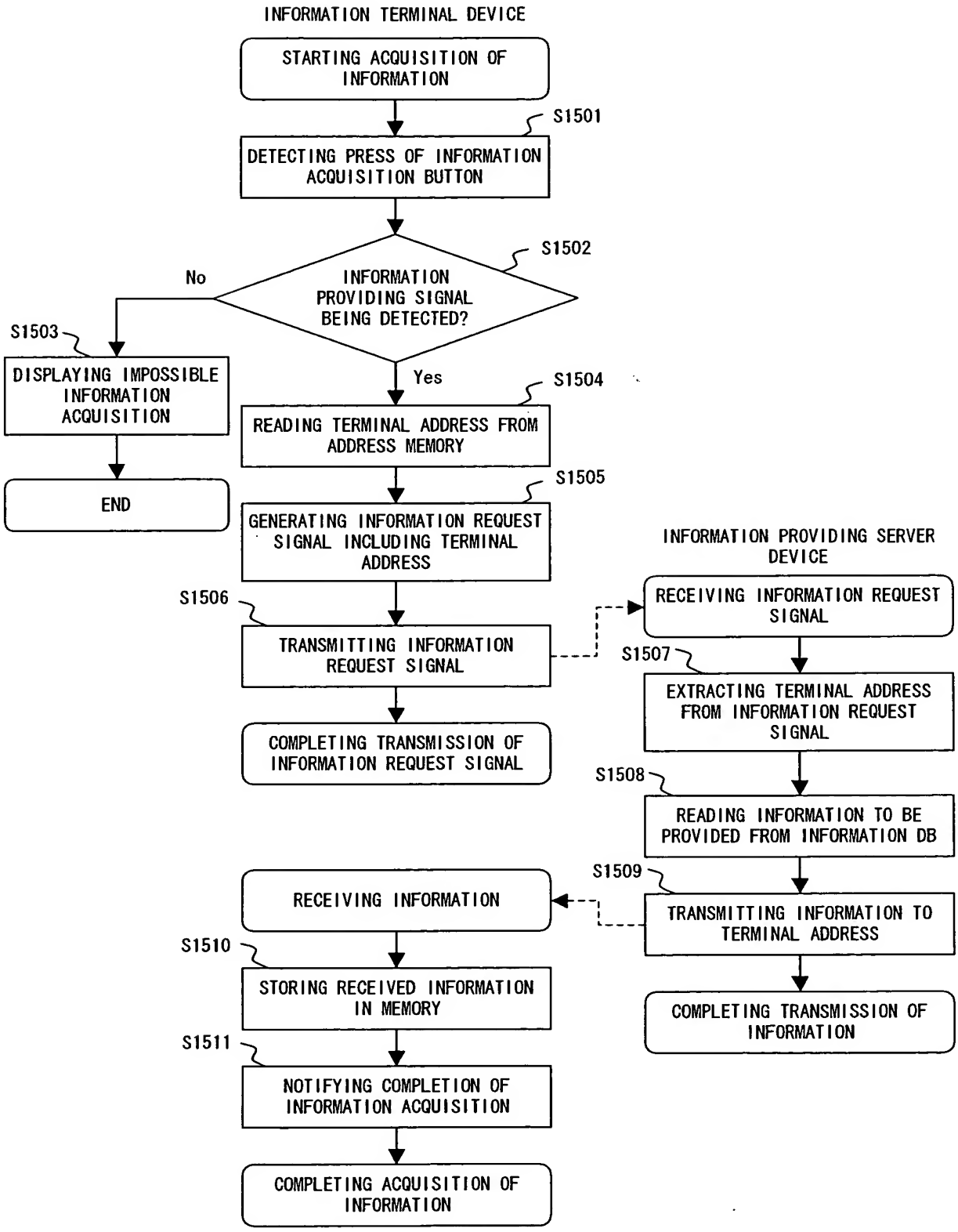
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S1501
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S1502
INFORMATION PROVIDING SIGNAL BEING DETECTED?
No
Yes
S1503
DISPLAYING IMPOSSIBLE INFORMATION ACQUISITION
END
S1504
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S1505
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S1506
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S1507
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S1508
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S1509
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S1510
STORING RECEIVED INFORMATION IN MEMORY
S1511
NOTIFYING COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION

FIG. 14

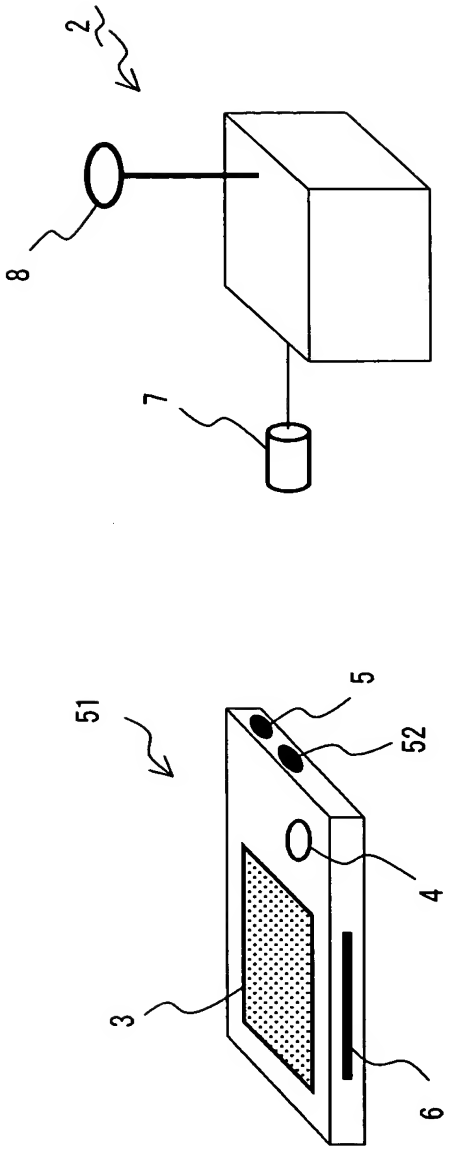

FIG. 15

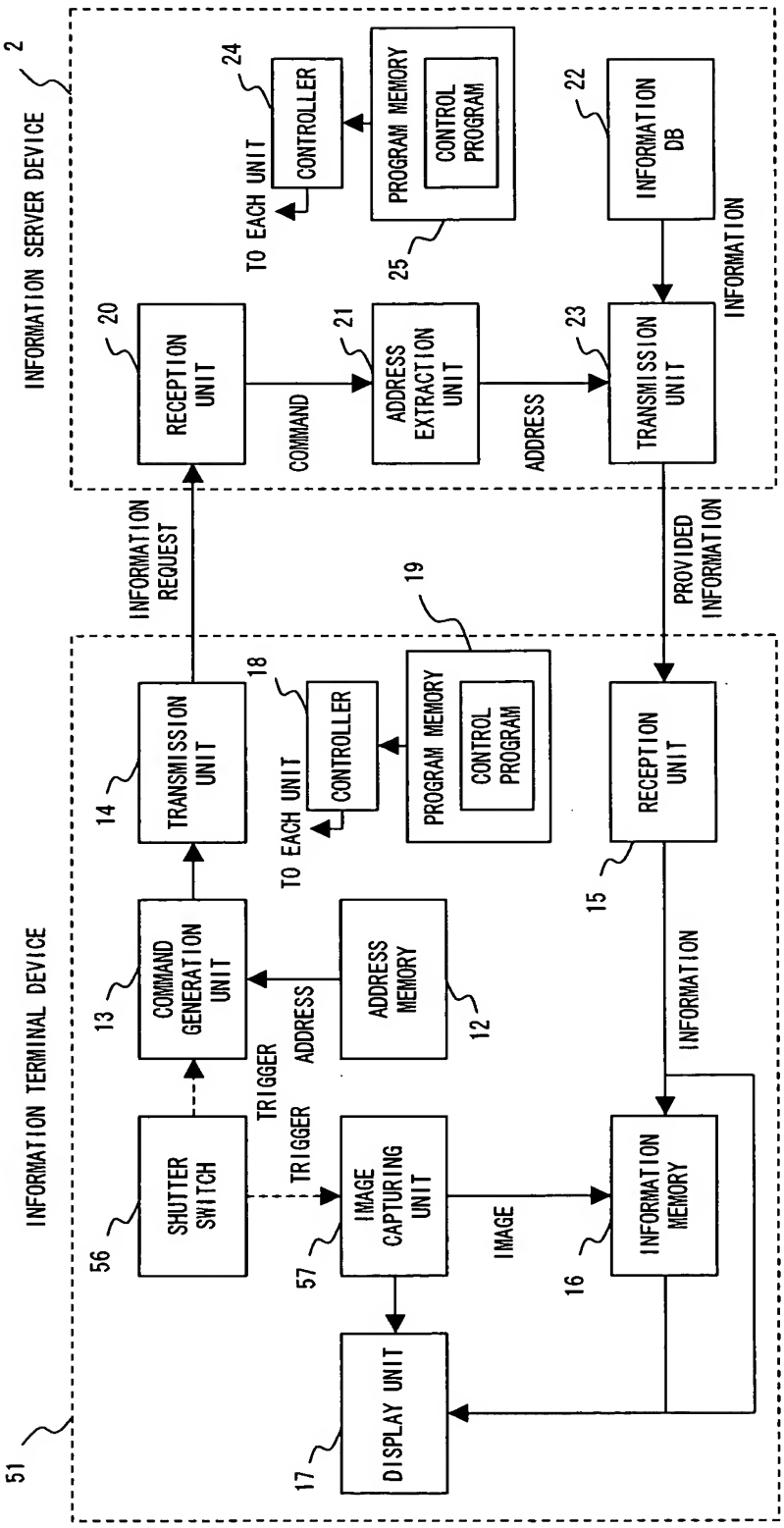
INFORMATION SERVER DEVICE
2
24
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
25
22
INFORMATION DB
20
RECEPTION UNIT
COMMAND
21
ADDRESS EXTRACTION UNIT
ADDRESS
23
TRANSMISSION UNIT
INFORMATION
INFORMATION REQUEST
PROVIDED INFORMATION
19
18
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
14
TRANSMISSION UNIT
15
RECEPTION UNIT
INFORMATION TERMINAL DEVICE
13
COMMAND GENERATION UNIT
ADDRESS
ADDRESS MEMORY
12
INFORMATION
TRIGGER
TRIGGER
56
SHUTTER SWITCH
57
IMAGE CAPTURING UNIT
IMAGE
16
INFORMATION MEMORY
17
DISPLAY UNIT
51

FIG. 16

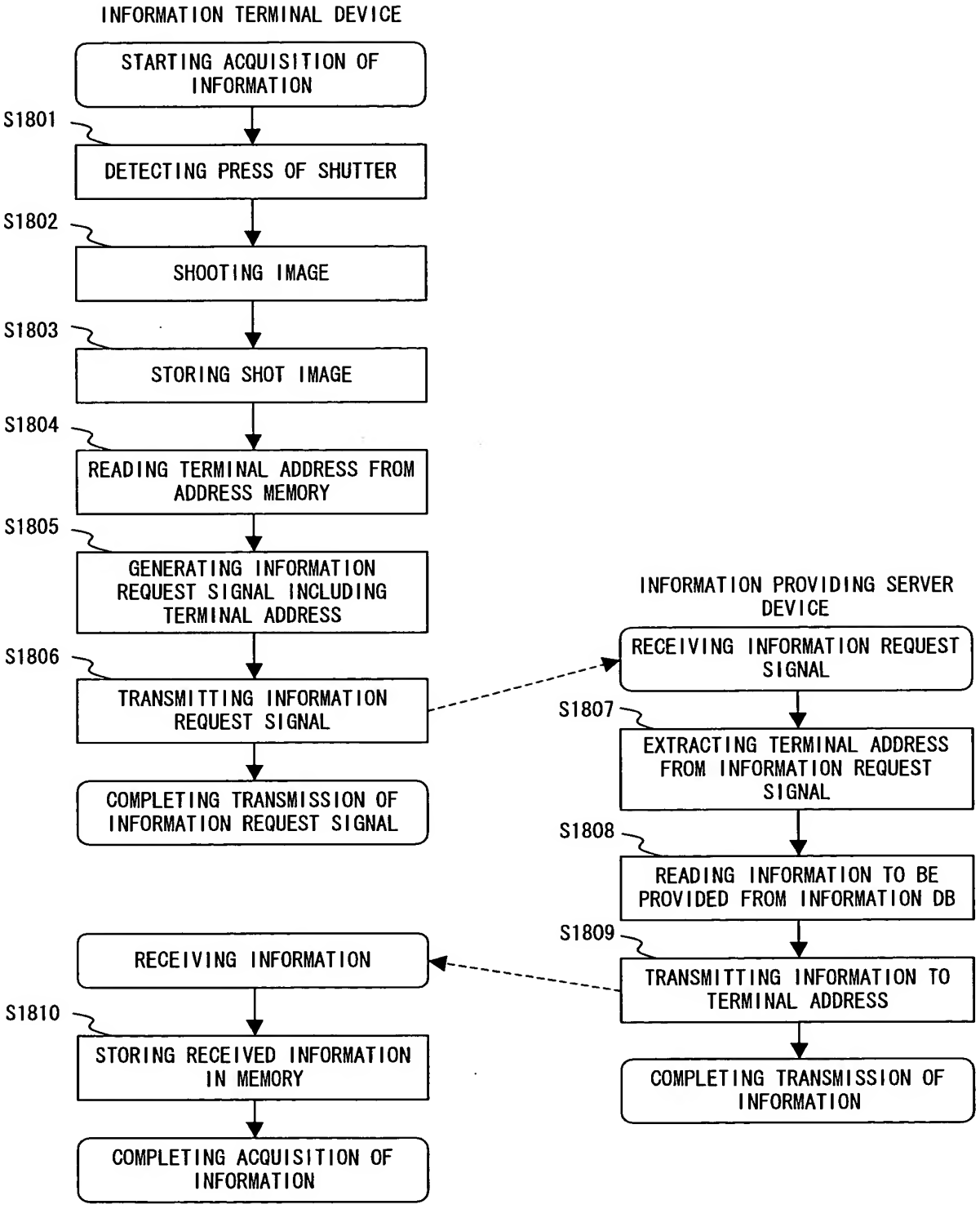
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S1801
DETECTING PRESS OF SHUTTER
S1802
SHOOTING IMAGE
S1803
STORING SHOT IMAGE
S1804
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S1805
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S1806
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S1807
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S1808
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S1809
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S1810
STORING RECEIVED INFORMATION IN MEMORY
COMPLETING ACQUISITION OF INFORMATION

FIG. 17

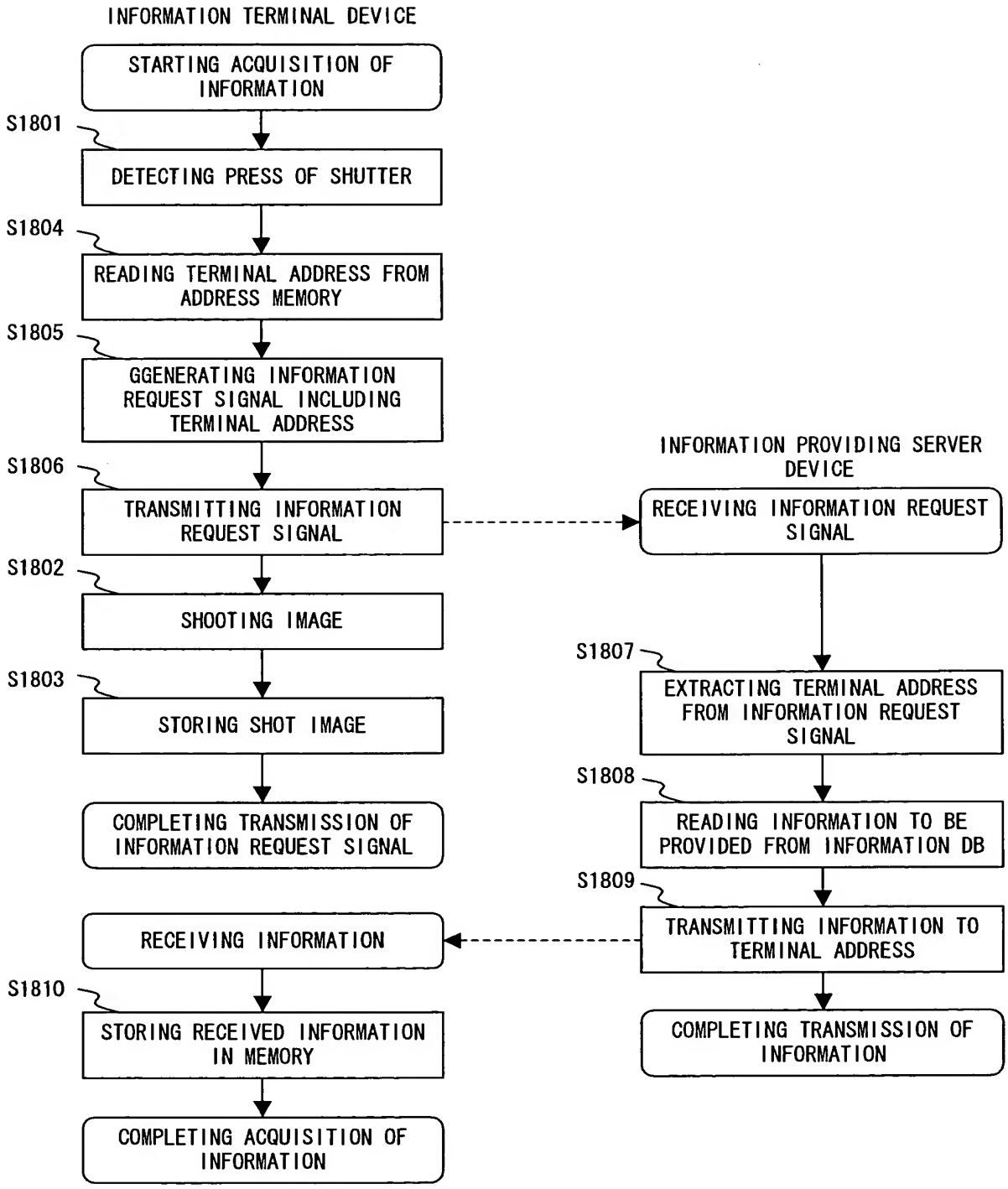
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S1801
DETECTING PRESS OF SHUTTER
S1804
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S1805
GGENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S1806
TRANSMITTING INFORMATION REQUEST SIGNAL
S1802
SHOOTING IMAGE
S1803
STORING SHOT IMAGE
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
RECEIVING INFORMATION
S1810
STORING RECEIVED INFORMATION IN MEMORY
COMPLETING ACQUISITION OF INFORMATION
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S1807
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S1808
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S1809
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION

FIG. 18

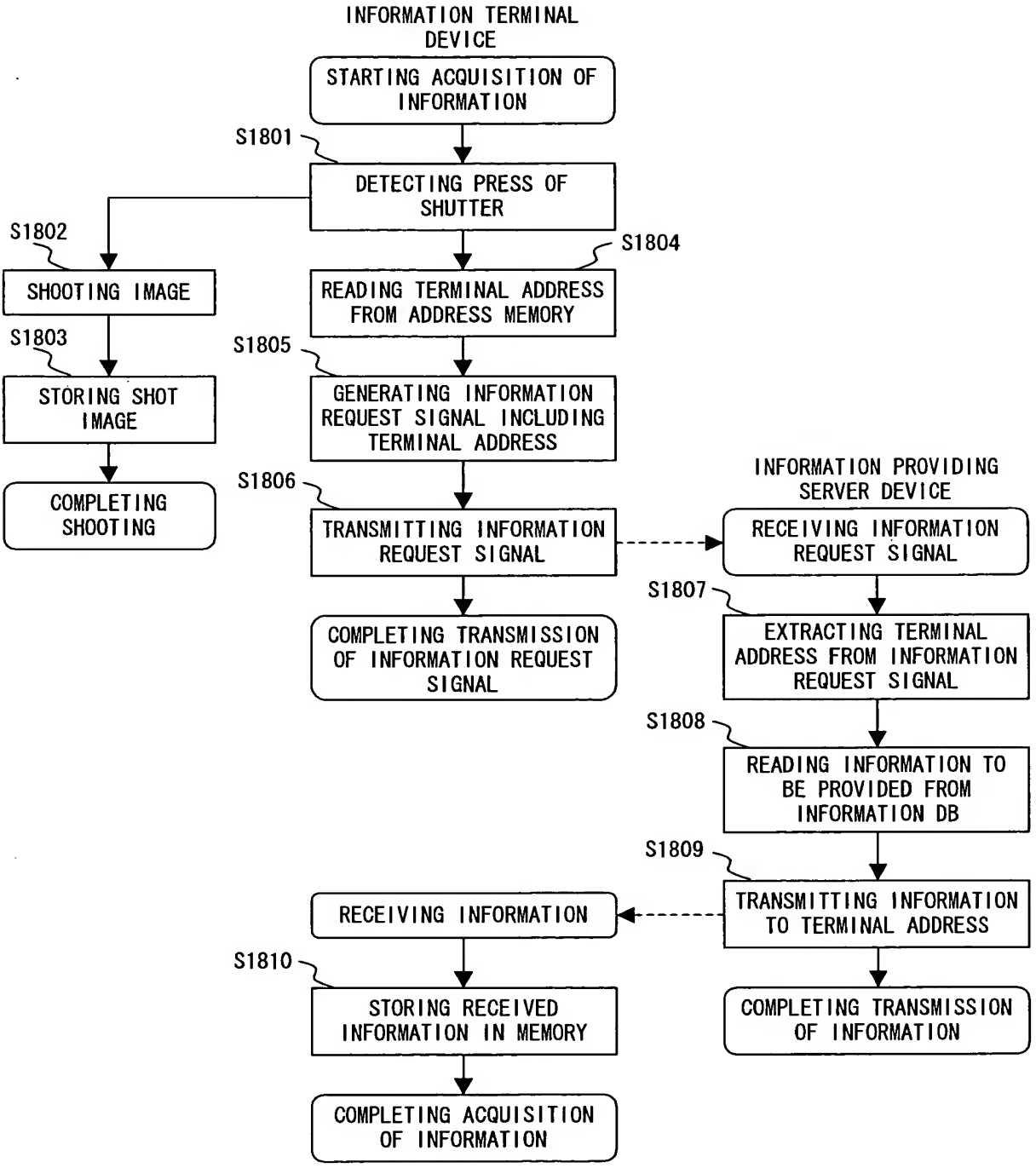
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S1801
DETECTING PRESS OF SHUTTER
S1802
SHOOTING IMAGE
S1803
STORING SHOT IMAGE
COMPLETING SHOOTING
S1804
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S1805
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S1806
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S1807
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S1808
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S1809
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S1810
STORING RECEIVED INFORMATION IN MEMORY
COMPLETING ACQUISITION OF INFORMATION

FIG. 19

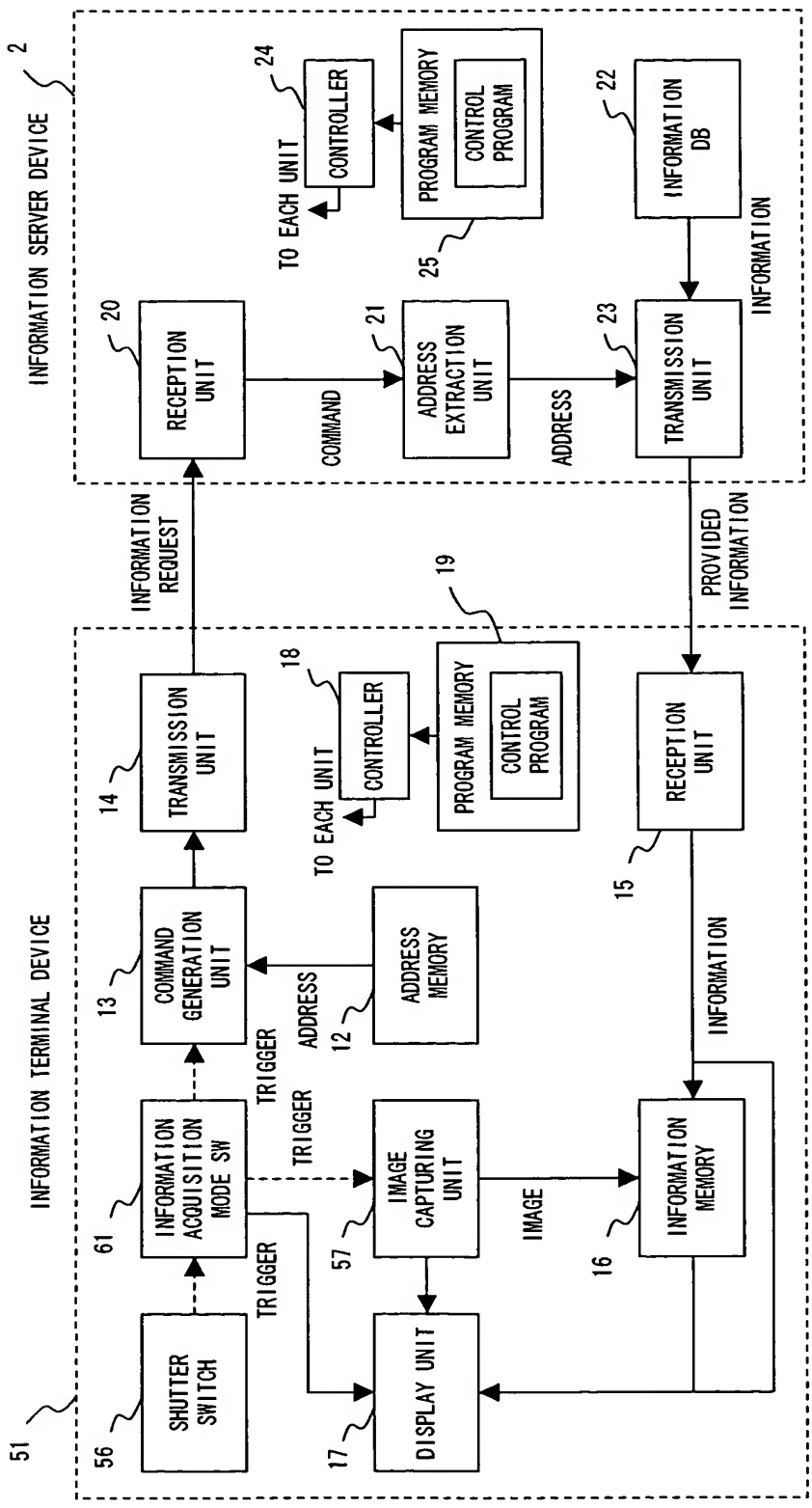
INFORMATION SERVER DEVICE
2
RECEPTION UNIT
20
ADDRESS EXTRACTION UNIT
21
TRANSMISSION UNIT
23
INFORMATION DB
22
CONTROLLER
24
PROGRAM MEMORY
CONTROL PROGRAM
25
TO EACH UNIT
COMMAND
ADDRESS
INFORMATION
INFORMATION REQUEST
PROVIDED INFORMATION
INFORMATION TERMINAL DEVICE
51
TRANSMISSION UNIT
14
CONTROLLER
18
PROGRAM MEMORY
CONTROL PROGRAM
19
TO EACH UNIT
RECEPTION UNIT
15
COMMAND GENERATION UNIT
13
ADDRESS MEMORY
12
ADDRESS
INFORMATION
TRIGGER
INFORMATION ACQUISITION MODE SW
61
IMAGE CAPTURING UNIT
57
IMAGE
INFORMATION MEMORY
16
SHUTTER SWITCH
56
DISPLAY UNIT
17

FIG. 20

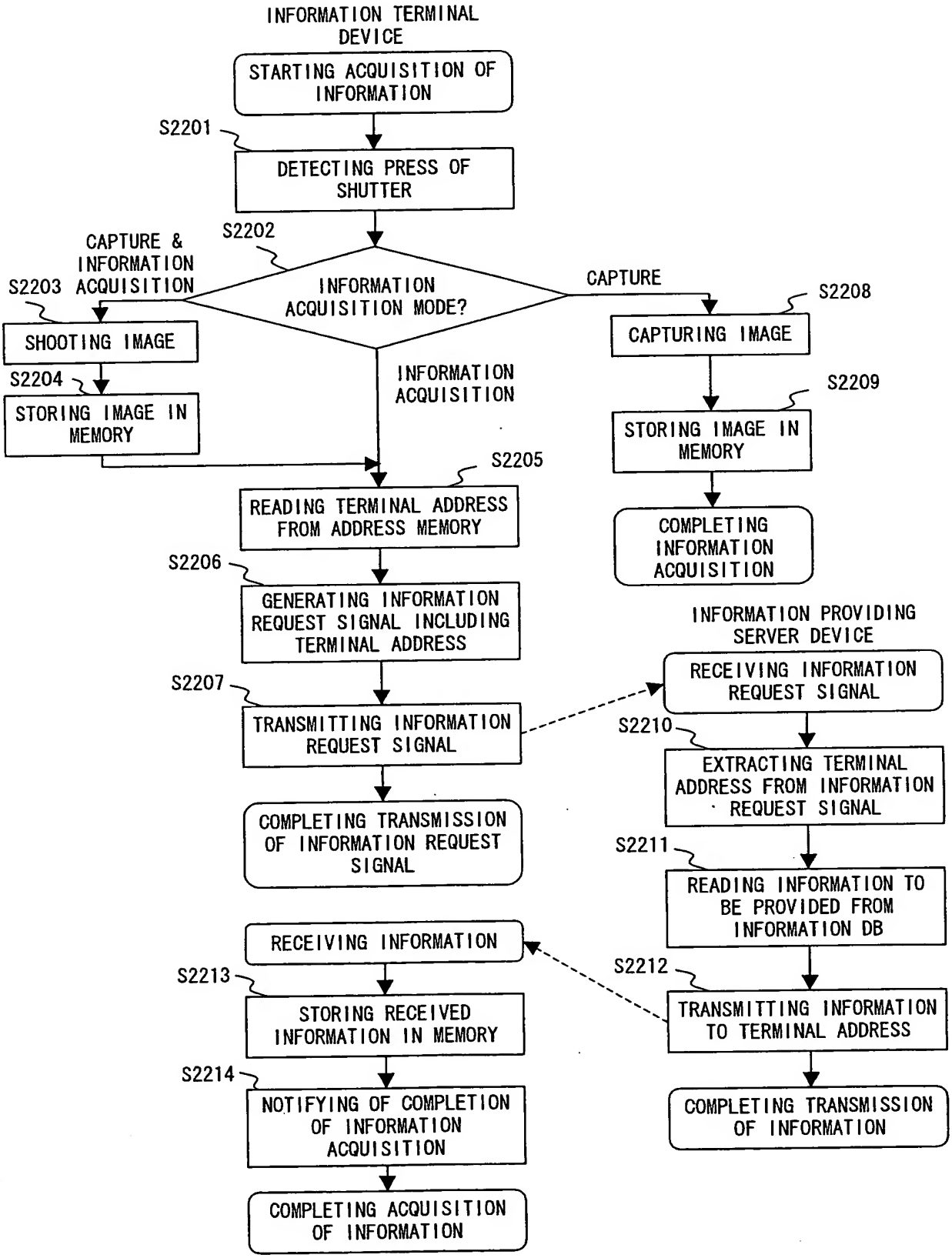
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S2201
DETECTING PRESS OF SHUTTER
S2202
INFORMATION ACQUISITION MODE?
CAPTURE & INFORMATION ACQUISITION
S2203
SHOOTING IMAGE
S2204
STORING IMAGE IN MEMORY
INFORMATION ACQUISITION
CAPTURE
S2208
CAPTURING IMAGE
S2209
STORING IMAGE IN MEMORY
COMPLETING INFORMATION ACQUISITION
S2205
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S2206
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S2207
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S2210
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S2211
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S2212
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S2213
STORING RECEIVED INFORMATION IN MEMORY
S2214
NOTIFYING OF COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION

FIG. 21

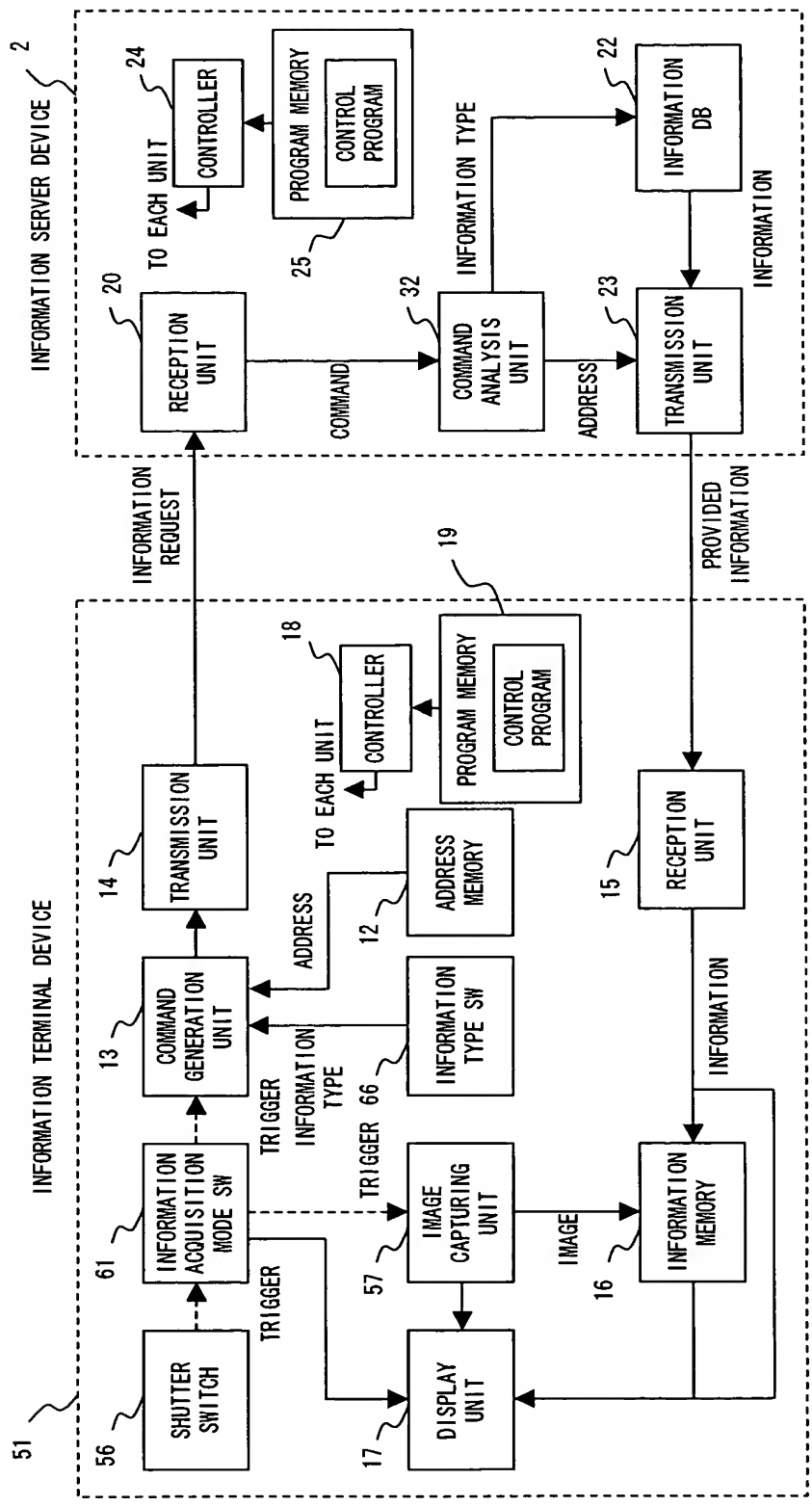
INFORMATION SERVER DEVICE
2
INFORMATION TERMINAL DEVICE
51
RECEPTION UNIT
20
COMMAND ANALYSIS UNIT
32
TRANSMISSION UNIT
23
INFORMATION DB
22
CONTROLLER
24
PROGRAM MEMORY
CONTROL PROGRAM
25
TO EACH UNIT
INFORMATION TYPE
COMMAND
ADDRESS
INFORMATION
INFORMATION REQUEST
PROVIDED INFORMATION
TRANSMISSION UNIT
14
COMMAND GENERATION UNIT
13
ADDRESS MEMORY
12
INFORMATION TYPE SW
66
CONTROLLER
18
PROGRAM MEMORY
CONTROL PROGRAM
19
TO EACH UNIT
ADDRESS
INFORMATION TYPE
TRIGGER
INFORMATION ACQUISITION MODE SW
61
IMAGE CAPTURING UNIT
57
INFORMATION MEMORY
16
RECEPTION UNIT
15
IMAGE
INFORMATION
SHUTTER SWITCH
56
DISPLAY UNIT
17

FIG. 22

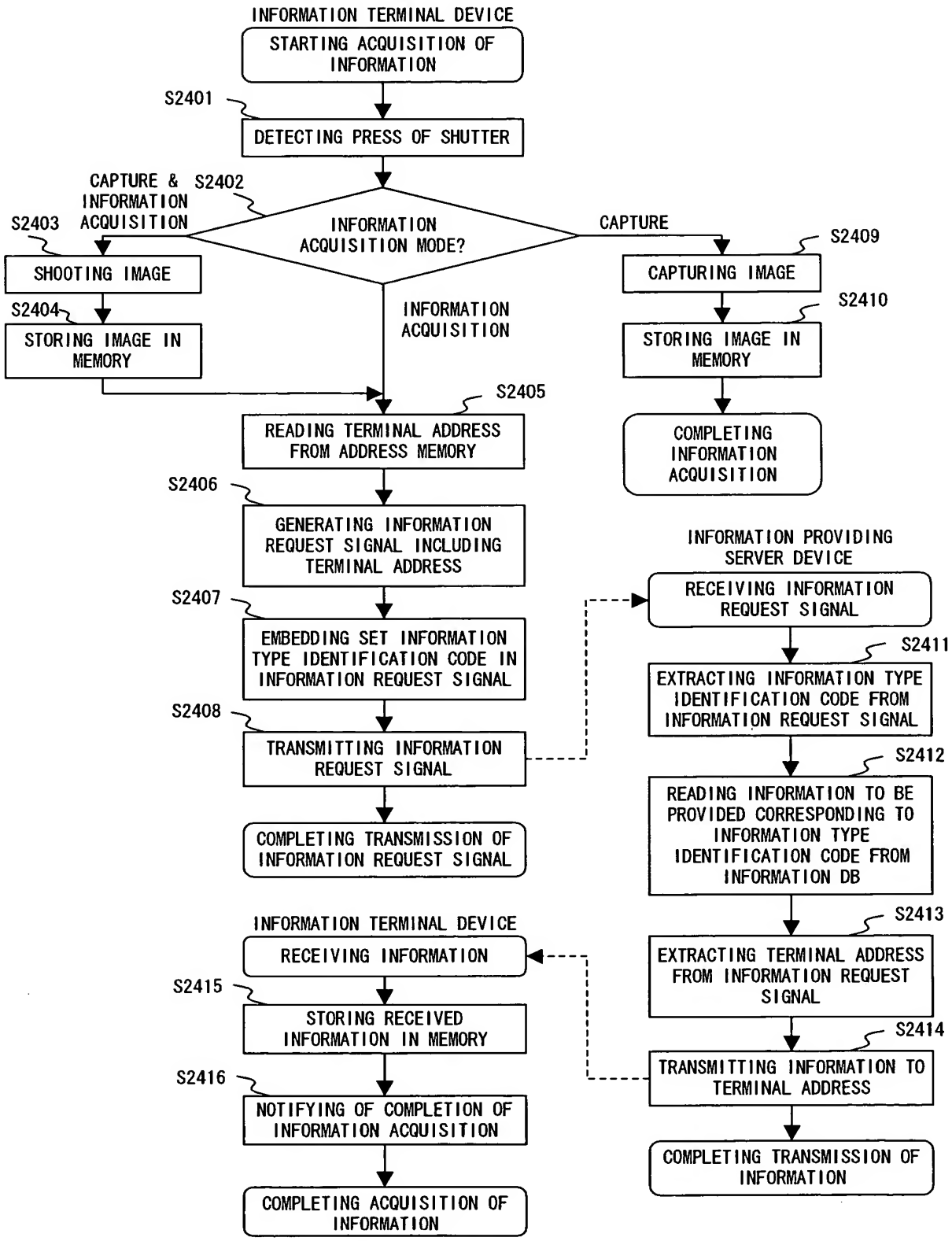
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S2401
DETECTING PRESS OF SHUTTER
CAPTURE & INFORMATION ACQUISITION
S2402
INFORMATION ACQUISITION MODE?
CAPTURE
S2403
SHOOTING IMAGE
S2404
STORING IMAGE IN MEMORY
INFORMATION ACQUISITION
S2409
CAPTURING IMAGE
S2410
STORING IMAGE IN MEMORY
COMPLETING INFORMATION ACQUISITION
S2405
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S2406
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S2407
EMBEDDING SET INFORMATION TYPE IDENTIFICATION CODE IN INFORMATION REQUEST SIGNAL
S2408
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S2411
EXTRACTING INFORMATION TYPE IDENTIFICATION CODE FROM INFORMATION REQUEST SIGNAL
S2412
READING INFORMATION TO BE PROVIDED CORRESPONDING TO INFORMATION TYPE IDENTIFICATION CODE FROM INFORMATION DB
S2413
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S2414
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
INFORMATION TERMINAL DEVICE
RECEIVING INFORMATION
S2415
STORING RECEIVED INFORMATION IN MEMORY
S2416
NOTIFYING OF COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION

FIG. 23

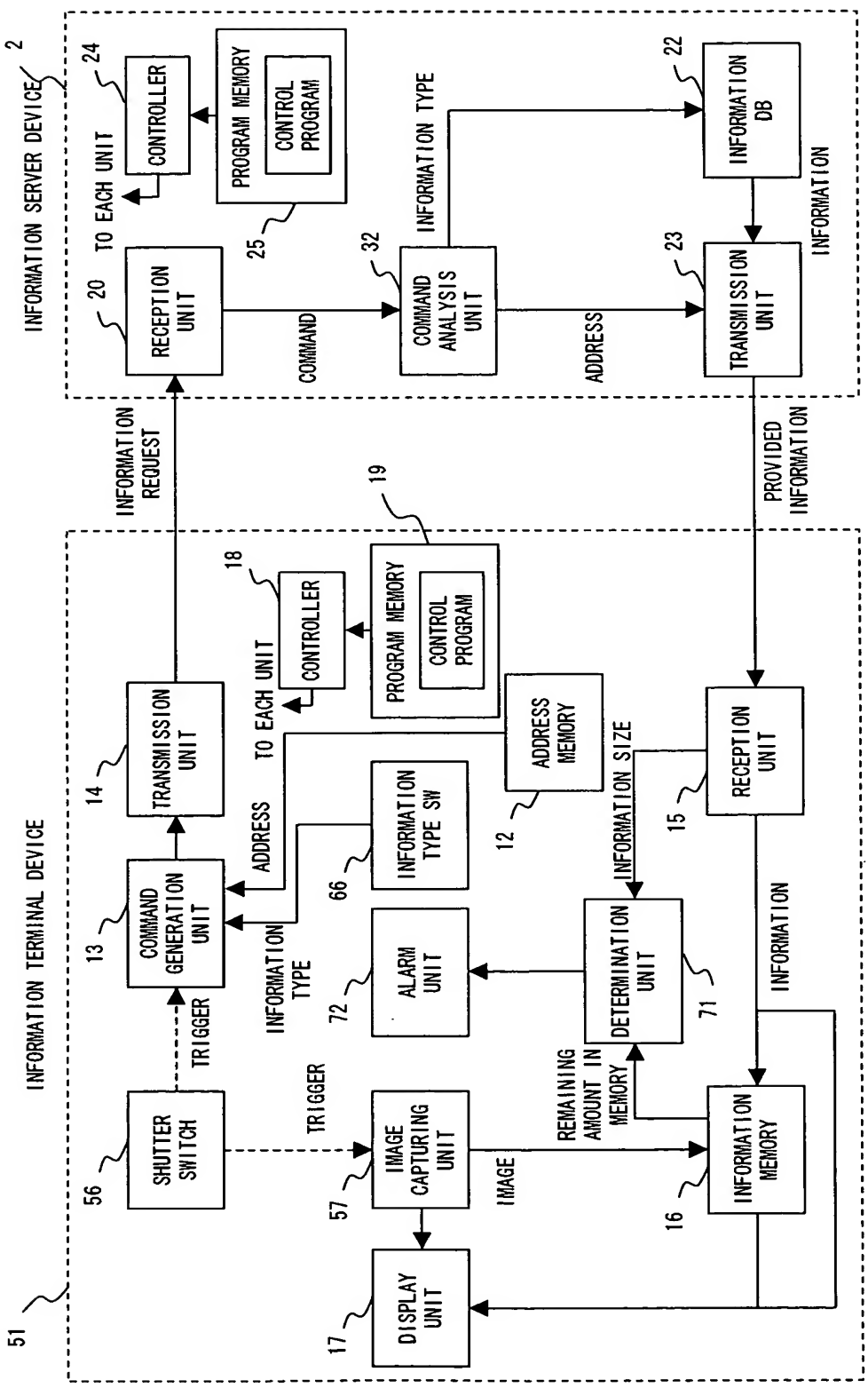
INFORMATION SERVER DEVICE
2
INFORMATION TERMINAL DEVICE
51
RECEPTION UNIT
20
CONTROLLER
24
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
25
COMMAND ANALYSIS UNIT
32
INFORMATION TYPE
INFORMATION DB
22
TRANSMISSION UNIT
23
INFORMATION
COMMAND
ADDRESS
INFORMATION REQUEST
PROVIDED INFORMATION
TRANSMISSION UNIT
14
CONTROLLER
18
PROGRAM MEMORY
CONTROL PROGRAM
19
ADDRESS MEMORY
12
RECEPTION UNIT
15
COMMAND GENERATION UNIT
13
ADDRESS
INFORMATION TYPE SW
66
INFORMATION SIZE
INFORMATION TYPE
ALARM UNIT
72
DETERMINATION UNIT
71
INFORMATION
SHUTTER SWITCH
56
TRIGGER
TRIGGER
IMAGE CAPTURING UNIT
57
IMAGE
REMAINING AMOUNT IN MEMORY
INFORMATION MEMORY
16
DISPLAY UNIT
17

FIG. 24

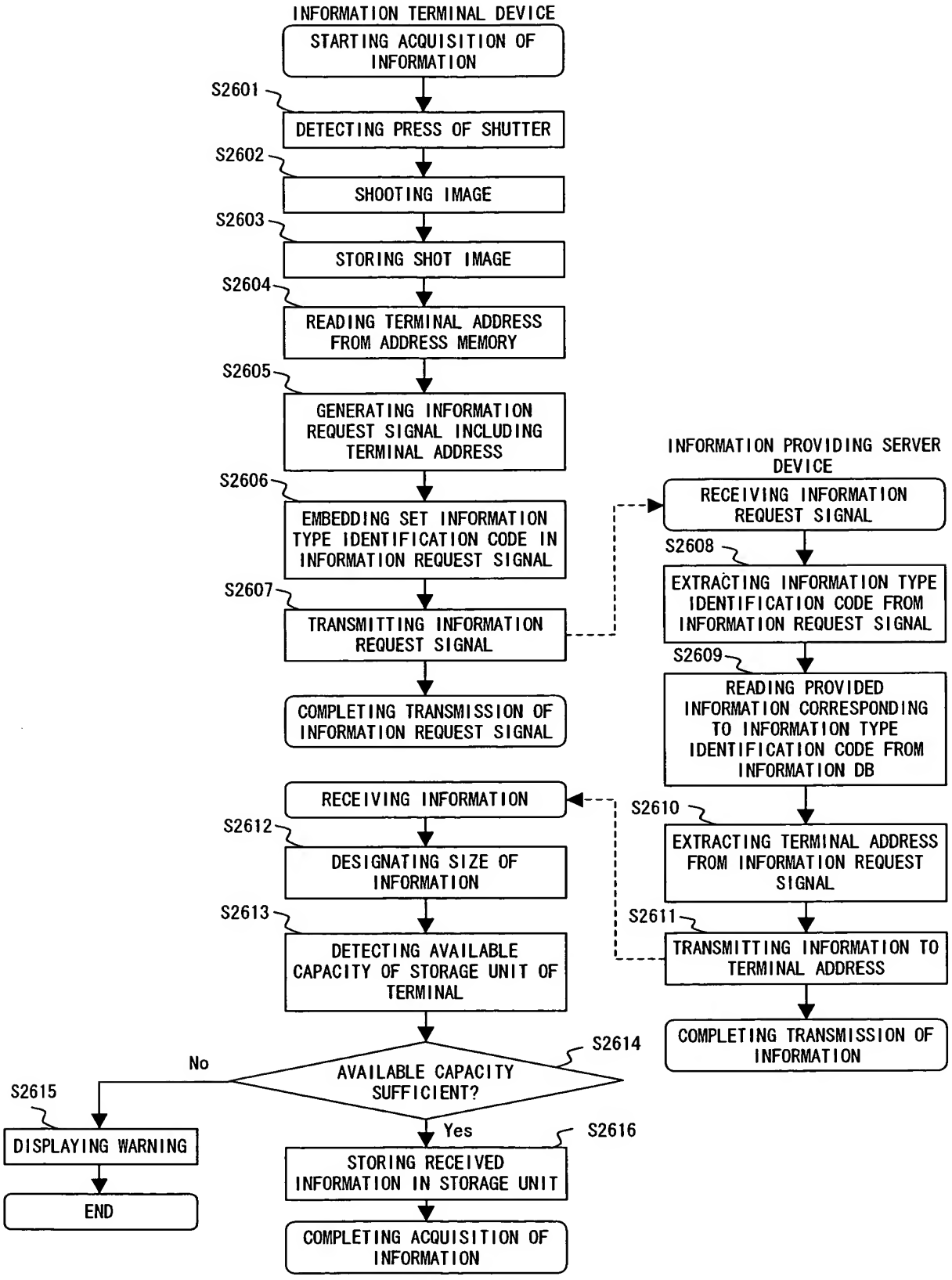
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S2601
DETECTING PRESS OF SHUTTER
S2602
SHOOTING IMAGE
S2603
STORING SHOT IMAGE
S2604
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S2605
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S2606
EMBEDDING SET INFORMATION TYPE IDENTIFICATION CODE IN INFORMATION REQUEST SIGNAL
S2607
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S2608
EXTRACTING INFORMATION TYPE IDENTIFICATION CODE FROM INFORMATION REQUEST SIGNAL
S2609
READING PROVIDED INFORMATION CORRESPONDING TO INFORMATION TYPE IDENTIFICATION CODE FROM INFORMATION DB
S2610
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S2611
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S2612
DESIGNATING SIZE OF INFORMATION
S2613
DETECTING AVAILABLE CAPACITY OF STORAGE UNIT OF TERMINAL
S2614
AVAILABLE CAPACITY SUFFICIENT?
No
S2615
DISPLAYING WARNING
END
Yes
S2616
STORING RECEIVED INFORMATION IN STORAGE UNIT
COMPLETING ACQUISITION OF INFORMATION

FIG. 25

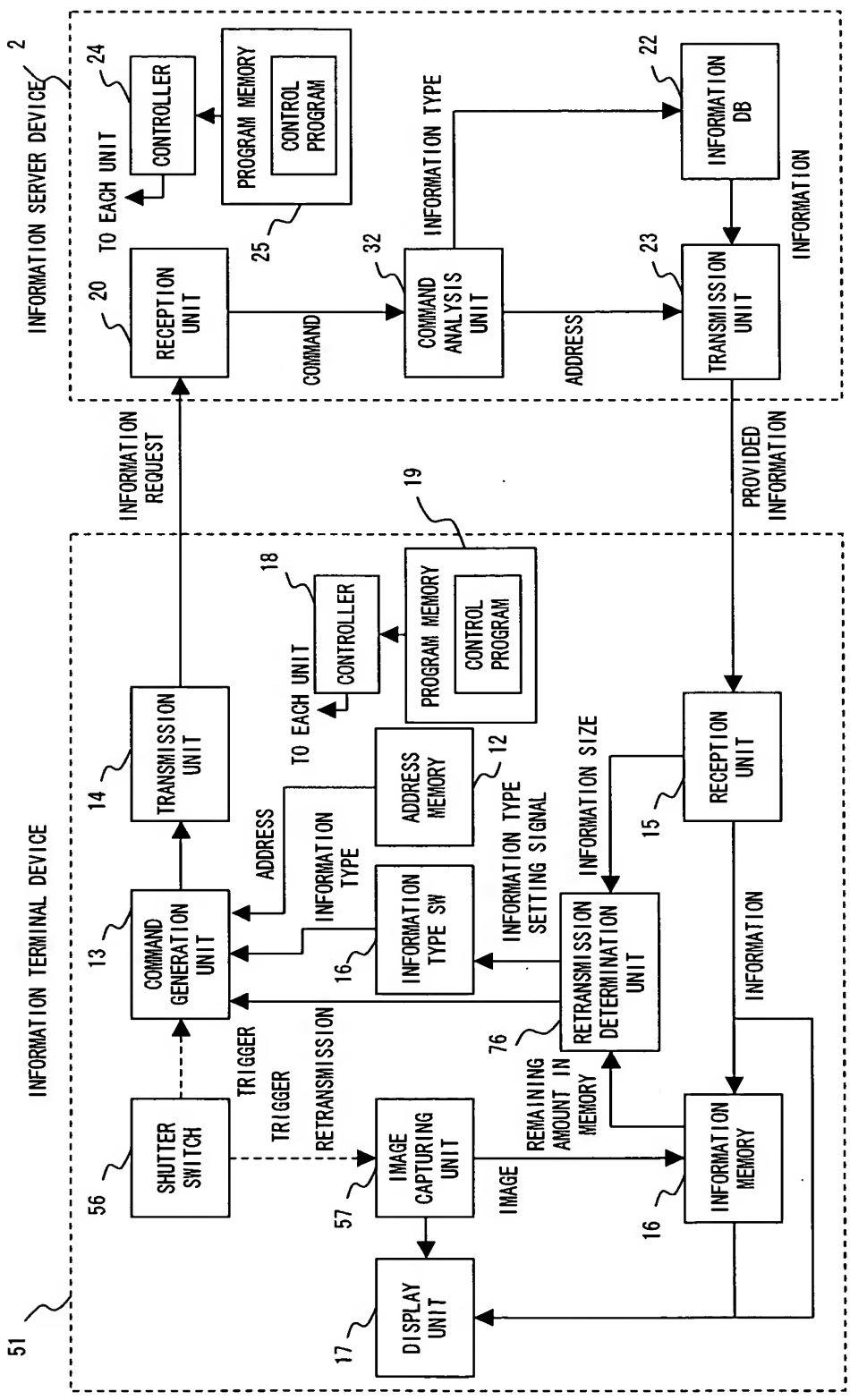
INFORMATION SERVER DEVICE
2
INFORMATION TERMINAL DEVICE
51
RECEPTION UNIT
20
COMMAND ANALYSIS UNIT
32
TRANSMISSION UNIT
23
INFORMATION DB
22
CONTROLLER
24
PROGRAM MEMORY
CONTROL PROGRAM
25
TO EACH UNIT
INFORMATION TYPE
COMMAND
ADDRESS
INFORMATION
INFORMATION REQUEST
PROVIDED INFORMATION
TRANSMISSION UNIT
14
COMMAND GENERATION UNIT
13
INFORMATION TYPE SW
16
ADDRESS MEMORY
12
CONTROLLER
18
PROGRAM MEMORY
CONTROL PROGRAM
19
ADDRESS
INFORMATION TYPE
INFORMATION TYPE SETTING SIGNAL
INFORMATION SIZE
RECEPTION UNIT
15
RETRANSMISSION DETERMINATION UNIT
76
SHUTTER SWITCH
56
IMAGE CAPTURING UNIT
57
INFORMATION MEMORY
16
DISPLAY UNIT
17
TRIGGER
RETRANSMISSION
TRIGGER
IMAGE
REMAINING AMOUNT IN MEMORY
INFORMATION

FIG. 26

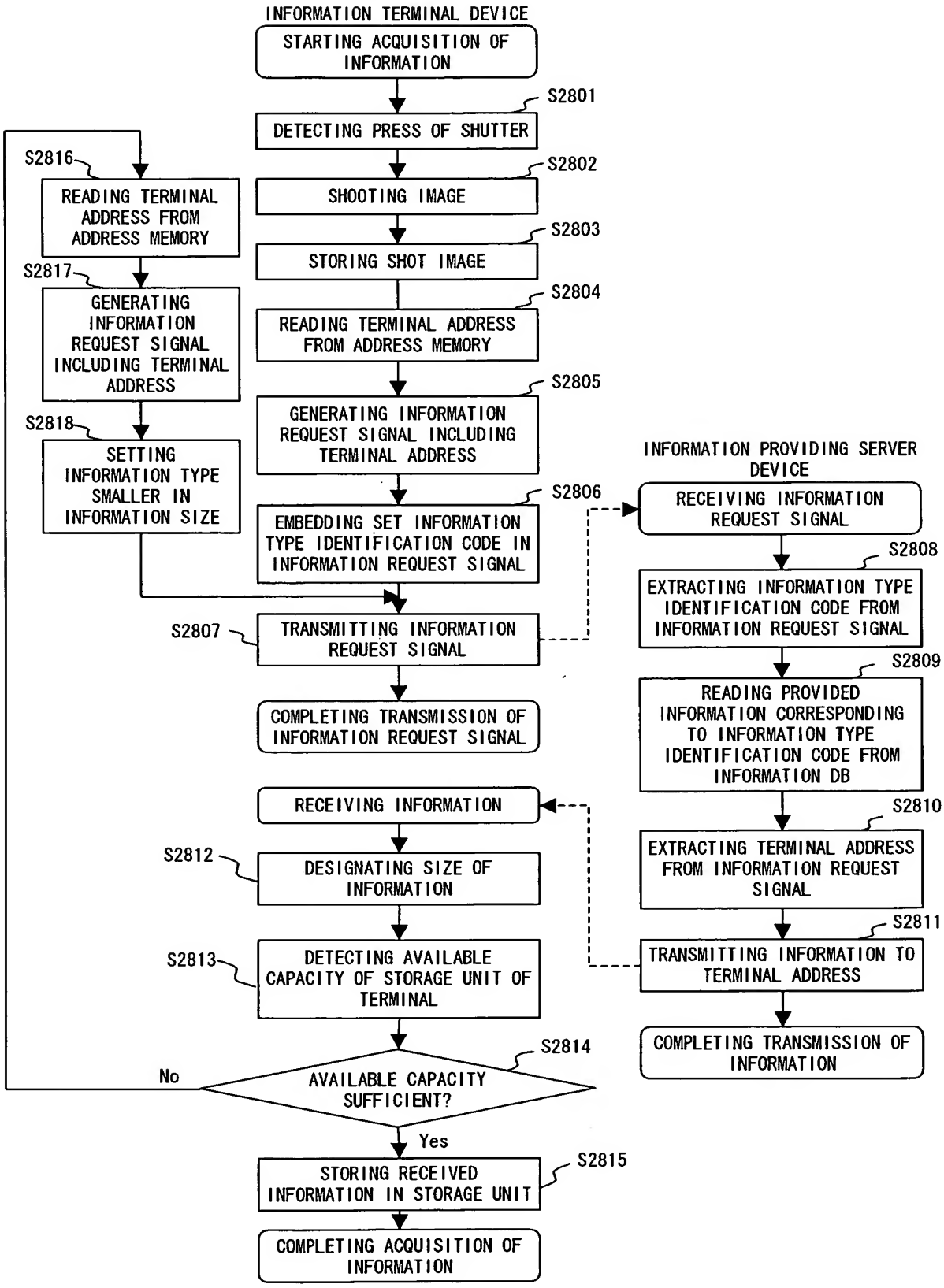
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S2801
DETECTING PRESS OF SHUTTER
S2802
SHOOTING IMAGE
S2803
STORING SHOT IMAGE
S2804
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S2805
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S2806
EMBEDDING SET INFORMATION TYPE IDENTIFICATION CODE IN INFORMATION REQUEST SIGNAL
S2807
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
RECEIVING INFORMATION
S2812
DESIGNATING SIZE OF INFORMATION
S2813
DETECTING AVAILABLE CAPACITY OF STORAGE UNIT OF TERMINAL
S2814
AVAILABLE CAPACITY SUFFICIENT?
No
Yes
S2815
STORING RECEIVED INFORMATION IN STORAGE UNIT
COMPLETING ACQUISITION OF INFORMATION
S2816
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S2817
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S2818
SETTING INFORMATION TYPE SMALLER IN INFORMATION SIZE
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S2808
EXTRACTING INFORMATION TYPE IDENTIFICATION CODE FROM INFORMATION REQUEST SIGNAL
S2809
READING PROVIDED INFORMATION CORRESPONDING TO INFORMATION TYPE IDENTIFICATION CODE FROM INFORMATION DB
S2810
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S2811
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION

FIG. 27

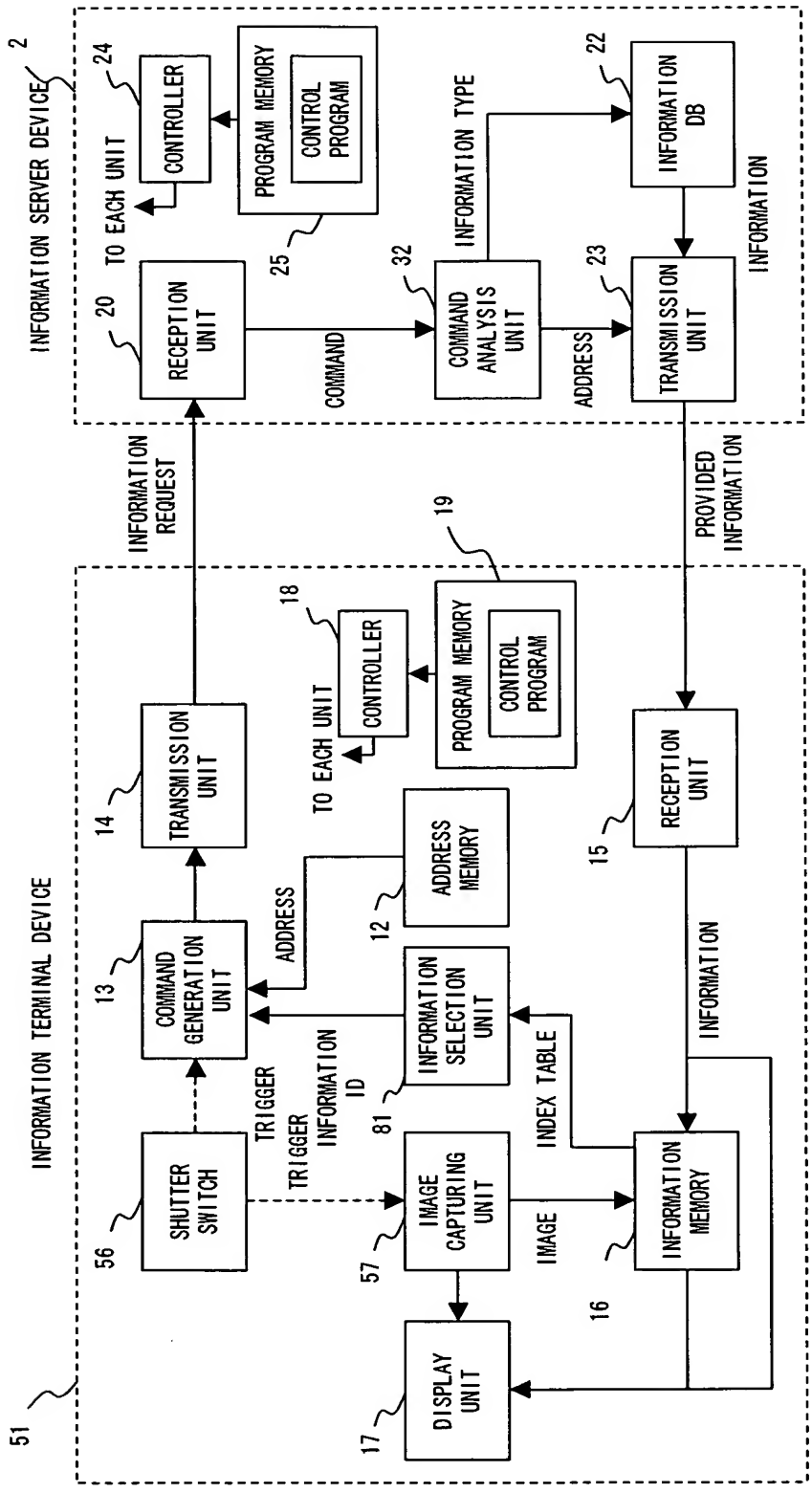
INFORMATION SERVER DEVICE
2
CONTROLLER
24
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
25
INFORMATION TYPE
INFORMATION DB
22
RECEPTION UNIT
20
COMMAND
COMMAND ANALYSIS UNIT
32
ADDRESS
TRANSMISSION UNIT
23
INFORMATION
INFORMATION REQUEST
PROVIDED INFORMATION
19
CONTROLLER
18
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
TRANSMISSION UNIT
14
ADDRESS MEMORY
12
RECEPTION UNIT
15
ADDRESS
COMMAND GENERATION UNIT
13
INFORMATION SELECTION UNIT
81
INFORMATION
INDEX TABLE
TRIGGER INFORMATION ID
TRIGGER
SHUTTER SWITCH
56
IMAGE CAPTURING UNIT
57
IMAGE
INFORMATION MEMORY
16
DISPLAY UNIT
17
INFORMATION TERMINAL DEVICE
51

FIG. 28

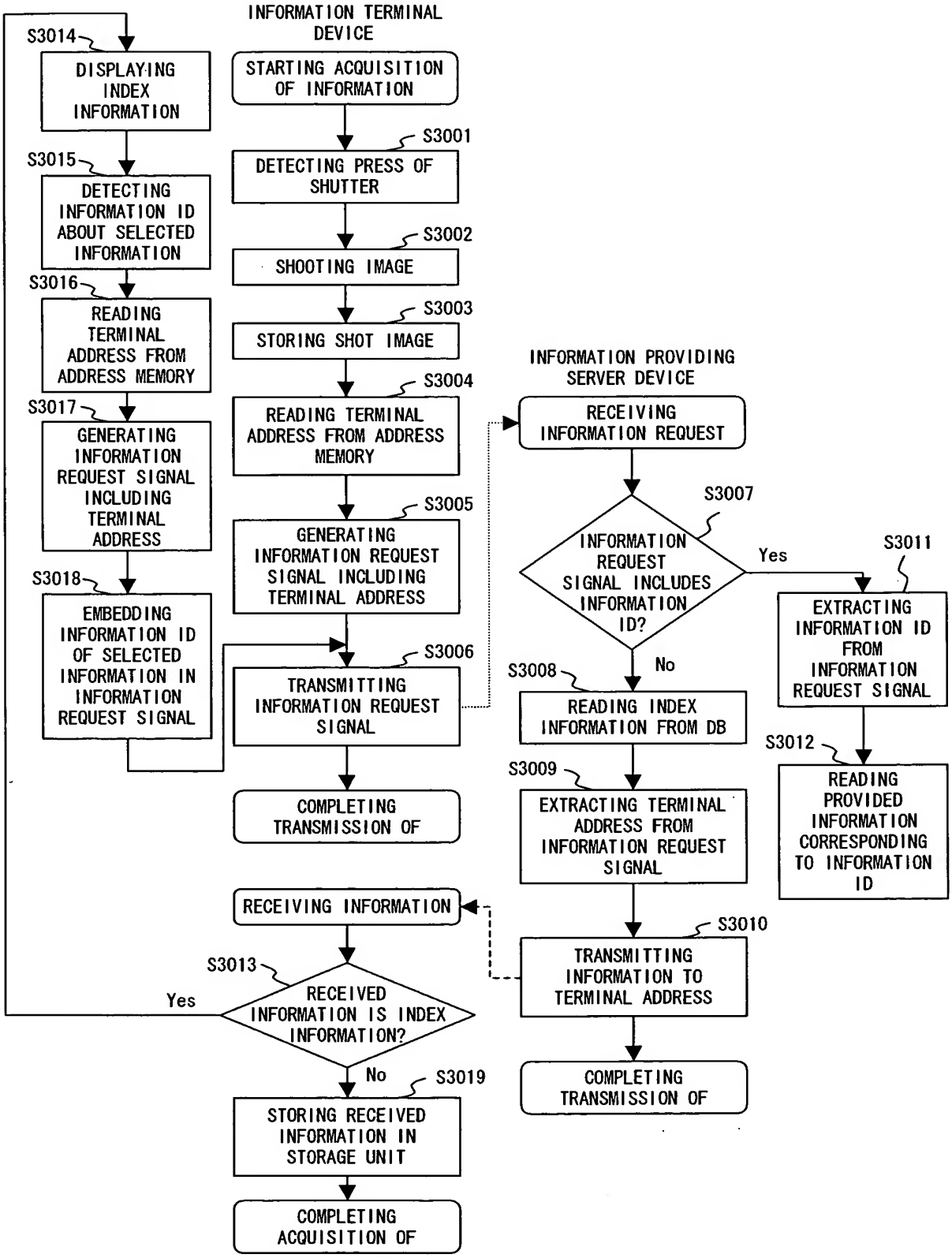
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S3001
DETECTING PRESS OF SHUTTER
S3002
SHOOTING IMAGE
S3003
STORING SHOT IMAGE
S3004
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S3005
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S3006
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF
RECEIVING INFORMATION
S3013
RECEIVED INFORMATION IS INDEX INFORMATION?
Yes
No
S3019
STORING RECEIVED INFORMATION IN STORAGE UNIT
COMPLETING ACQUISITION OF
S3014
DISPLAYING INDEX INFORMATION
S3015
DETECTING INFORMATION ID ABOUT SELECTED INFORMATION
S3016
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S3017
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S3018
EMBEDDING INFORMATION ID OF SELECTED INFORMATION IN INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST
S3007
INFORMATION REQUEST SIGNAL INCLUDES INFORMATION ID?
Yes
No
S3008
READING INDEX INFORMATION FROM DB
S3009
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S3010
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF
S3011
EXTRACTING INFORMATION ID FROM INFORMATION REQUEST SIGNAL
S3012
READING PROVIDED INFORMATION CORRESPONDING TO INFORMATION ID

FIG. 29

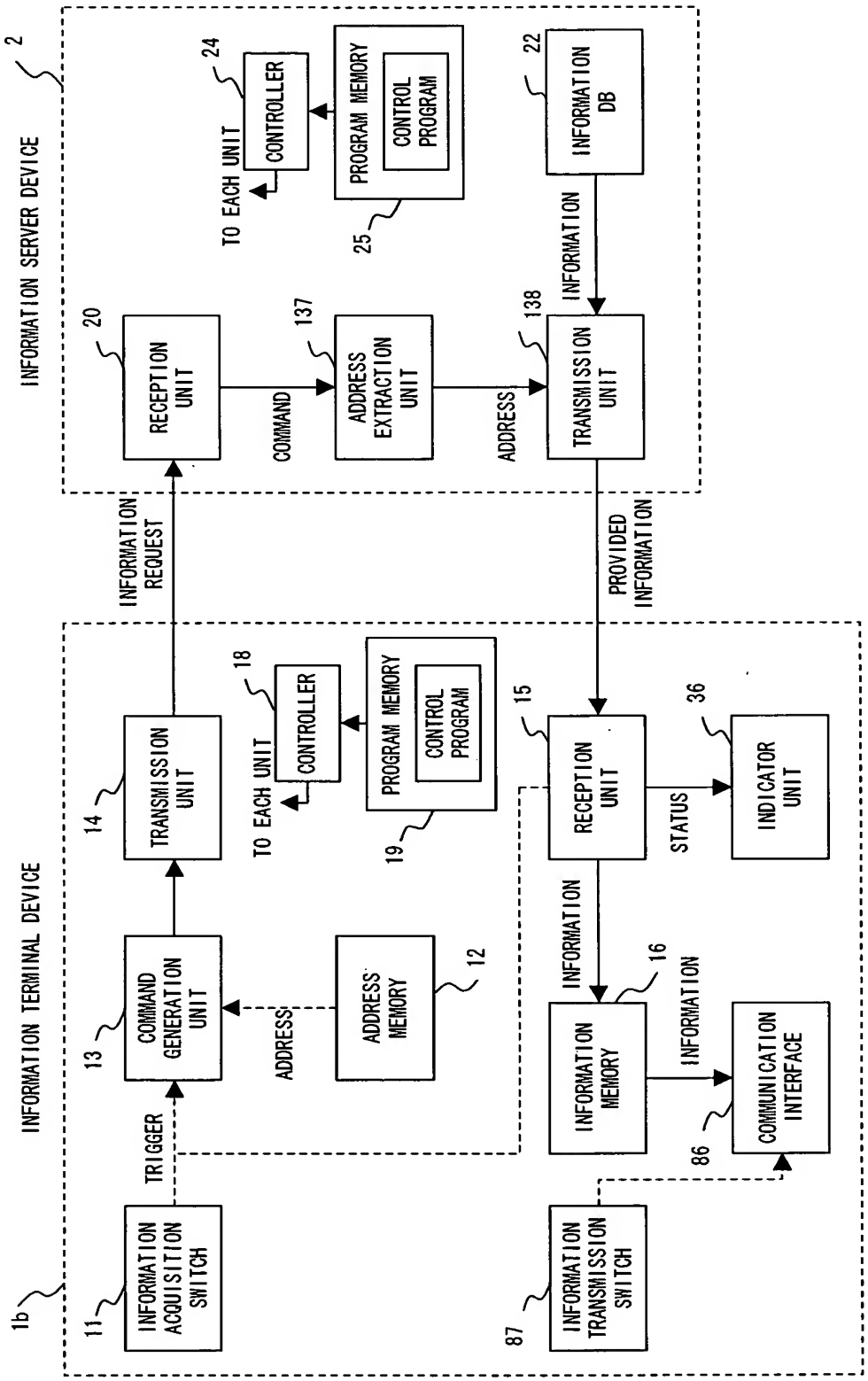
INFORMATION SERVER DEVICE
2
20
RECEPTION UNIT
137
ADDRESS EXTRACTION UNIT
138
TRANSMISSION UNIT
22
INFORMATION DB
24
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
25
COMMAND
ADDRESS
INFORMATION
INFORMATION REQUEST
PROVIDED INFORMATION
INFORMATION TERMINAL DEVICE
1b
14
TRANSMISSION UNIT
18
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
19
15
RECEPTION UNIT
36
INDICATOR UNIT
STATUS
13
COMMAND GENERATION UNIT
ADDRESS
ADDRESS MEMORY
12
INFORMATION
16
INFORMATION MEMORY
INFORMATION
86
COMMUNICATION INTERFACE
TRIGGER
11
INFORMATION ACQUISITION SWITCH
87
INFORMATION TRANSMISSION SWITCH

FIG. 30

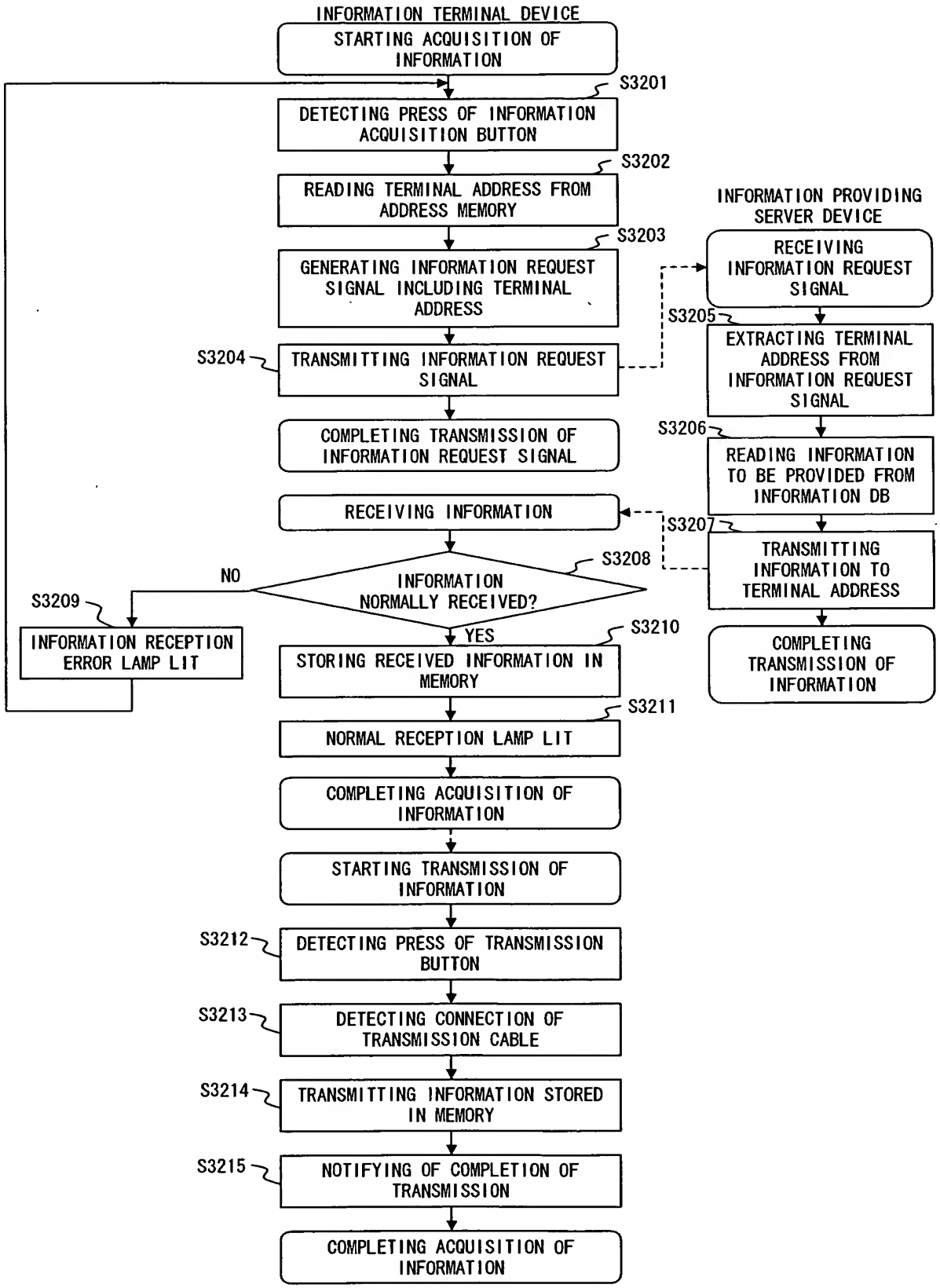
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S3201
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S3202
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S3203
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S3204
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
RECEIVING INFORMATION
S3208
INFORMATION NORMALLY RECEIVED?
NO
S3209
INFORMATION RECEPTION ERROR LAMP LIT
YES
S3210
STORING RECEIVED INFORMATION IN MEMORY
S3211
NORMAL RECEPTION LAMP LIT
COMPLETING ACQUISITION OF INFORMATION
STARTING TRANSMISSION OF INFORMATION
S3212
DETECTING PRESS OF TRANSMISSION BUTTON
S3213
DETECTING CONNECTION OF TRANSMISSION CABLE
S3214
TRANSMITTING INFORMATION STORED IN MEMORY
S3215
NOTIFYING OF COMPLETION OF TRANSMISSION
COMPLETING ACQUISITION OF INFORMATION
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S3205
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S3206
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S3207
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION

FIG. 31

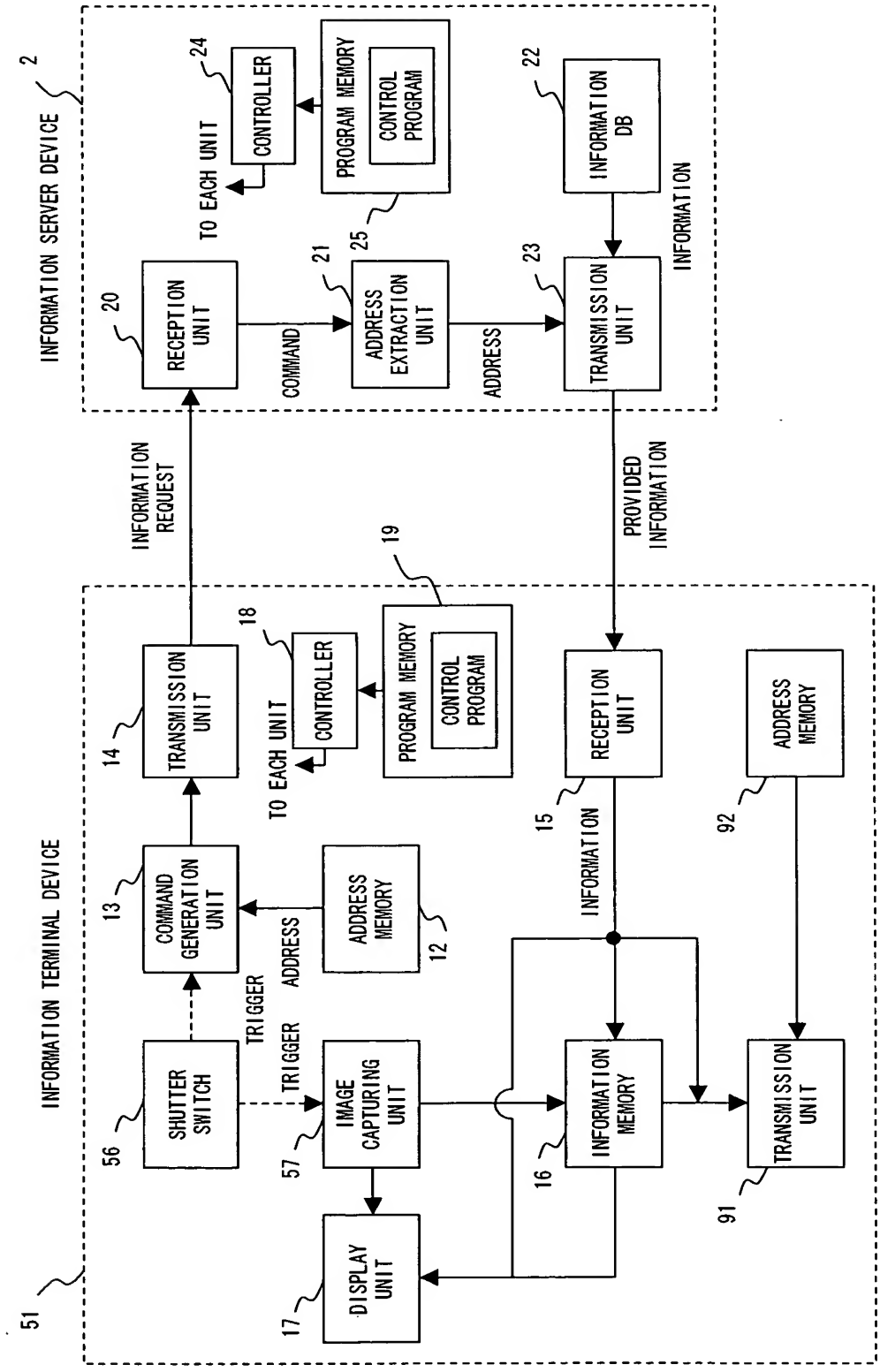
INFORMATION SERVER DEVICE
2
RECEPTION UNIT
20
COMMAND
ADDRESS EXTRACTION UNIT
21
ADDRESS
TRANSMISSION UNIT
23
INFORMATION
INFORMATION DB
22
TO EACH UNIT
CONTROLLER
24
PROGRAM MEMORY
CONTROL PROGRAM
25
INFORMATION REQUEST
PROVIDED INFORMATION
INFORMATION TERMINAL DEVICE
51
TRANSMISSION UNIT
14
TO EACH UNIT
CONTROLLER
18
PROGRAM MEMORY
CONTROL PROGRAM
19
RECEPTION UNIT
15
ADDRESS MEMORY
92
COMMAND GENERATION UNIT
13
ADDRESS
ADDRESS MEMORY
12
INFORMATION
TRIGGER
TRIGGER
SHUTTER SWITCH
56
IMAGE CAPTURING UNIT
57
INFORMATION MEMORY
16
TRANSMISSION UNIT
91
DISPLAY UNIT
17

FIG. 32

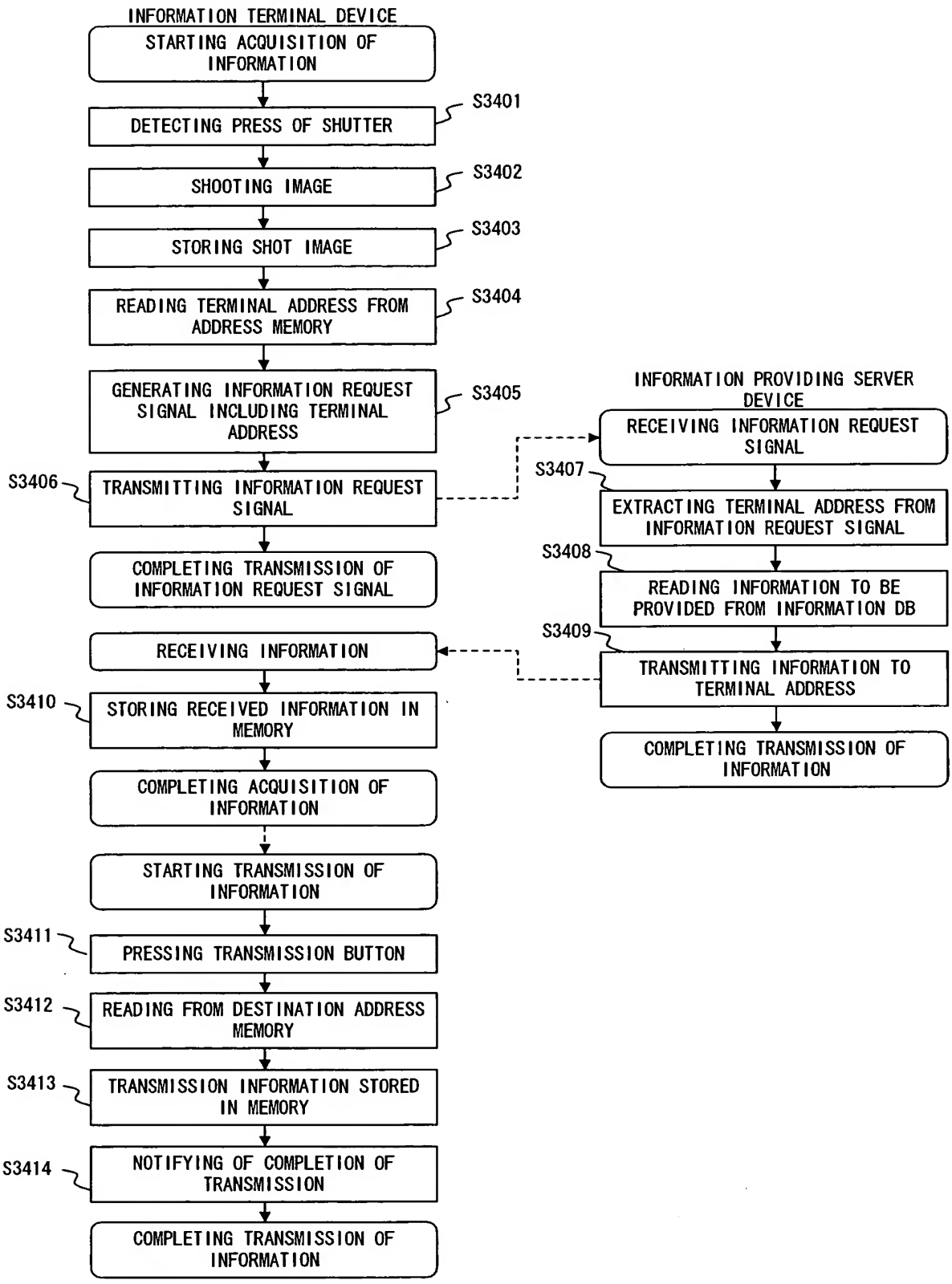
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
DETECTING PRESS OF SHUTTER
S3401
SHOOTING IMAGE
S3402
STORING SHOT IMAGE
S3403
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S3404
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S3405
S3406
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
RECEIVING INFORMATION
S3410
STORING RECEIVED INFORMATION IN MEMORY
COMPLETING ACQUISITION OF INFORMATION
STARTING TRANSMISSION OF INFORMATION
S3411
PRESSING TRANSMISSION BUTTON
S3412
READING FROM DESTINATION ADDRESS MEMORY
S3413
TRANSMISSION INFORMATION STORED IN MEMORY
S3414
NOTIFYING OF COMPLETION OF TRANSMISSION
COMPLETING TRANSMISSION OF INFORMATION
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S3407
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S3408
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S3409
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION

FIG. 33

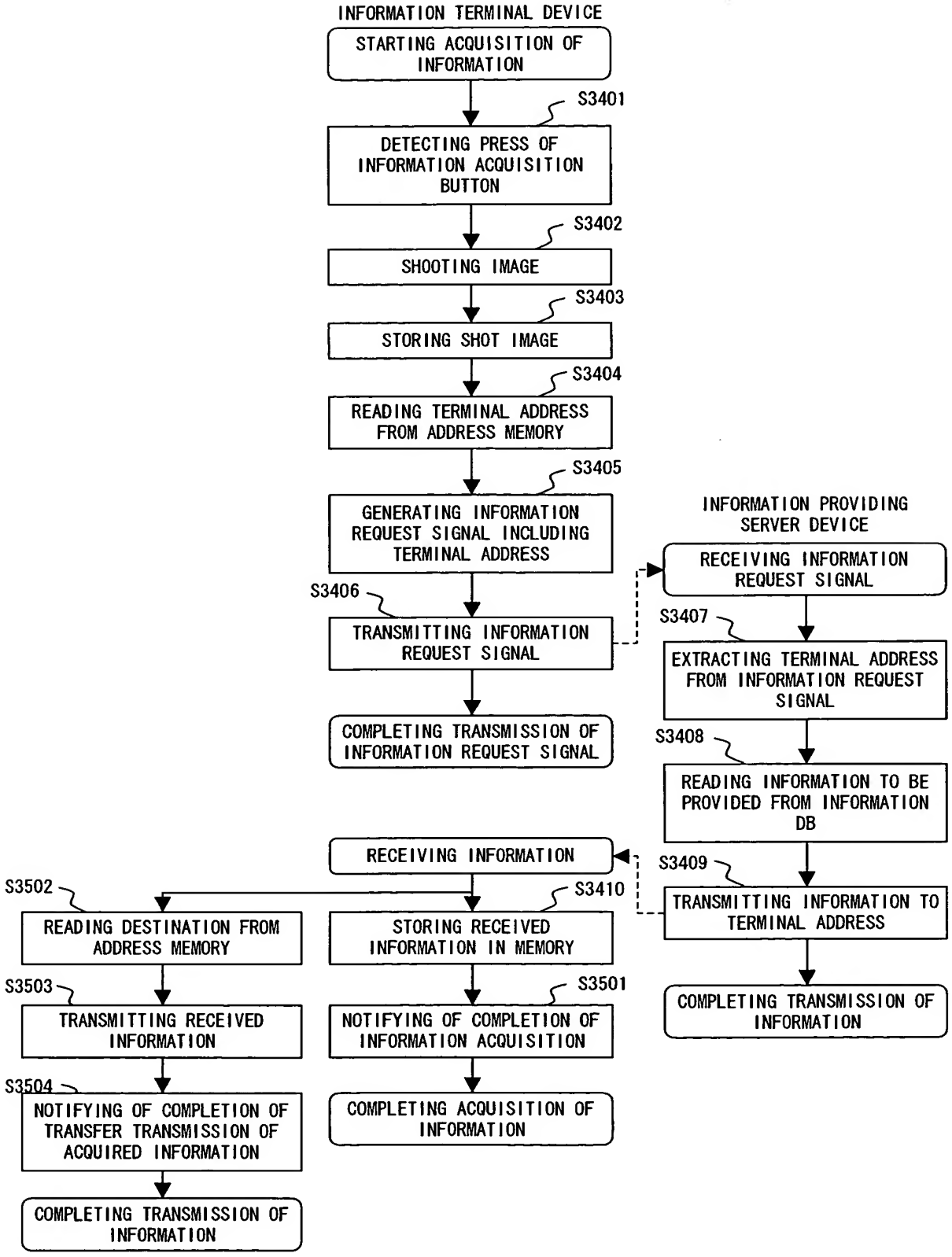
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S3401
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S3402
SHOOTING IMAGE
S3403
STORING SHOT IMAGE
S3404
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S3405
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S3406
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S3407
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S3408
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S3409
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S3410
STORING RECEIVED INFORMATION IN MEMORY
S3501
NOTIFYING OF COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION
S3502
READING DESTINATION FROM ADDRESS MEMORY
S3503
TRANSMITTING RECEIVED INFORMATION
S3504
NOTIFYING OF COMPLETION OF TRANSFER TRANSMISSION OF ACQUIRED INFORMATION
COMPLETING TRANSMISSION OF INFORMATION

FIG. 34

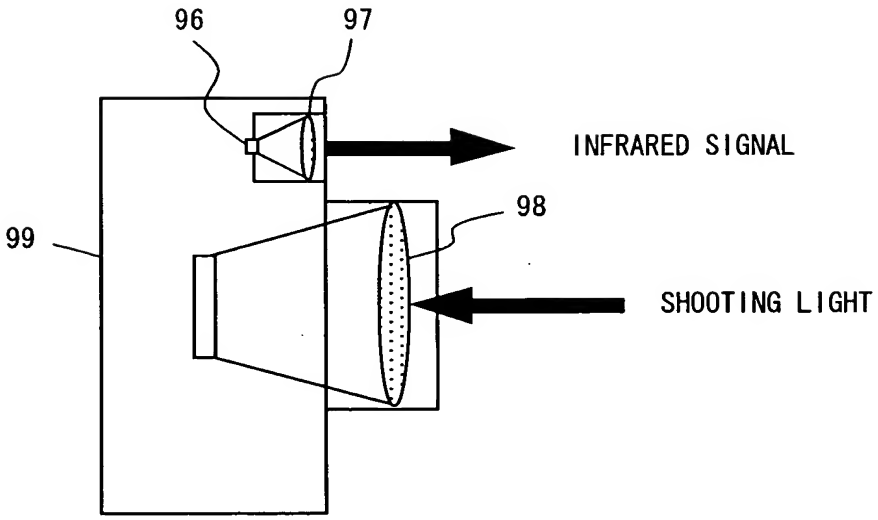

FIG. 35

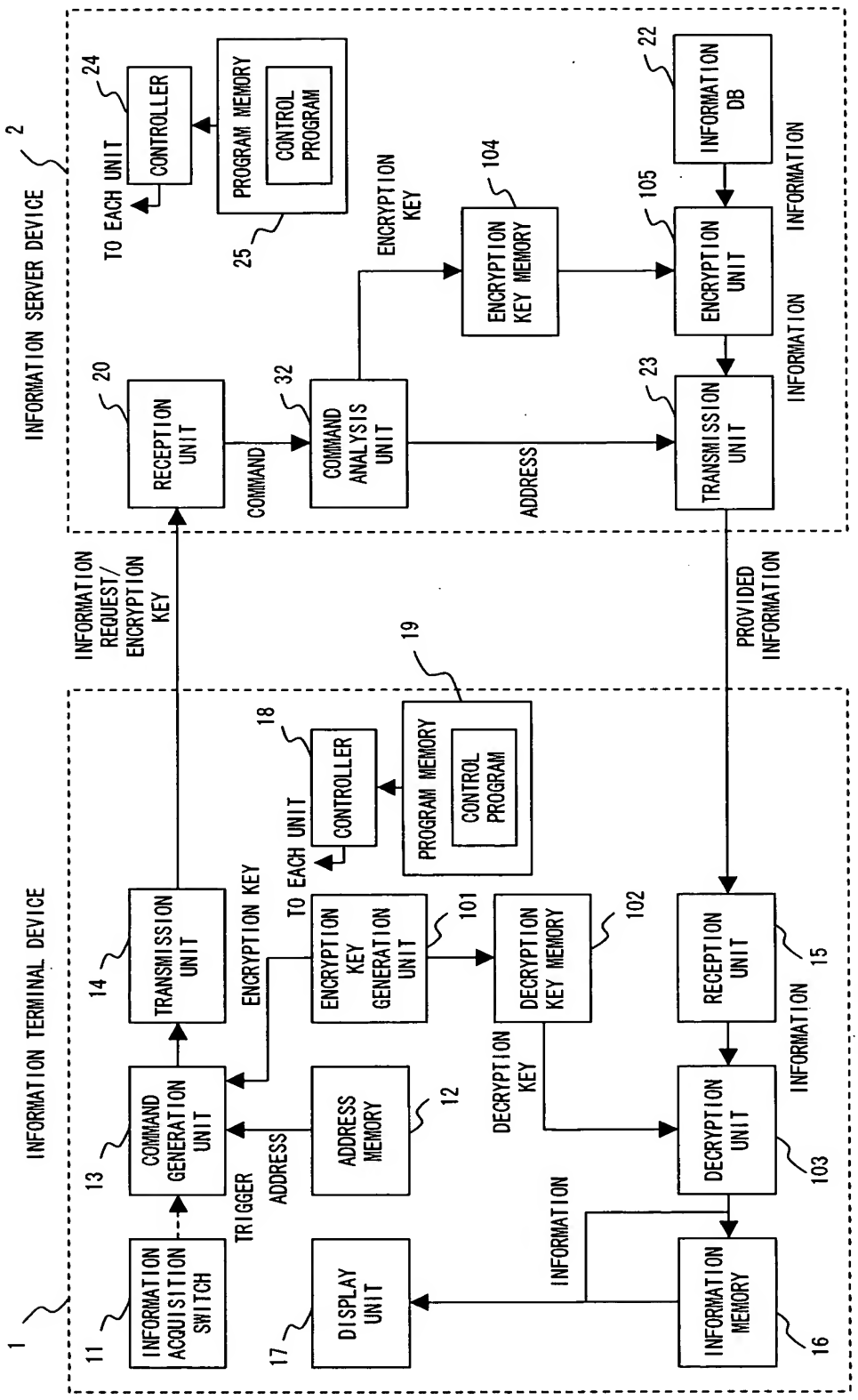
INFORMATION TERMINAL DEVICE
1
INFORMATION SERVER DEVICE
2
INFORMATION ACQUISITION SWITCH
11
ADDRESS MEMORY
12
COMMAND GENERATION UNIT
13
TRANSMISSION UNIT
14
RECEPTION UNIT
15
INFORMATION MEMORY
16
DISPLAY UNIT
17
CONTROLLER
18
PROGRAM MEMORY
19
CONTROL PROGRAM
RECEPTION UNIT
20
COMMAND ANALYSIS UNIT
32
TRANSMISSION UNIT
23
CONTROLLER
24
PROGRAM MEMORY
25
CONTROL PROGRAM
ENCRYPTION KEY GENERATION UNIT
101
DECRYPTION KEY MEMORY
102
DECRYPTION UNIT
103
ENCRYPTION KEY MEMORY
104
ENCRYPTION UNIT
105
INFORMATION DB
22
INFORMATION REQUEST/ ENCRYPTION KEY
PROVIDED INFORMATION
TRIGGER
ADDRESS
ENCRYPTION KEY
TO EACH UNIT
DECRYPTION KEY
INFORMATION
COMMAND
ADDRESS
ENCRYPTION KEY
TO EACH UNIT
INFORMATION
INFORMATION

FIG. 36

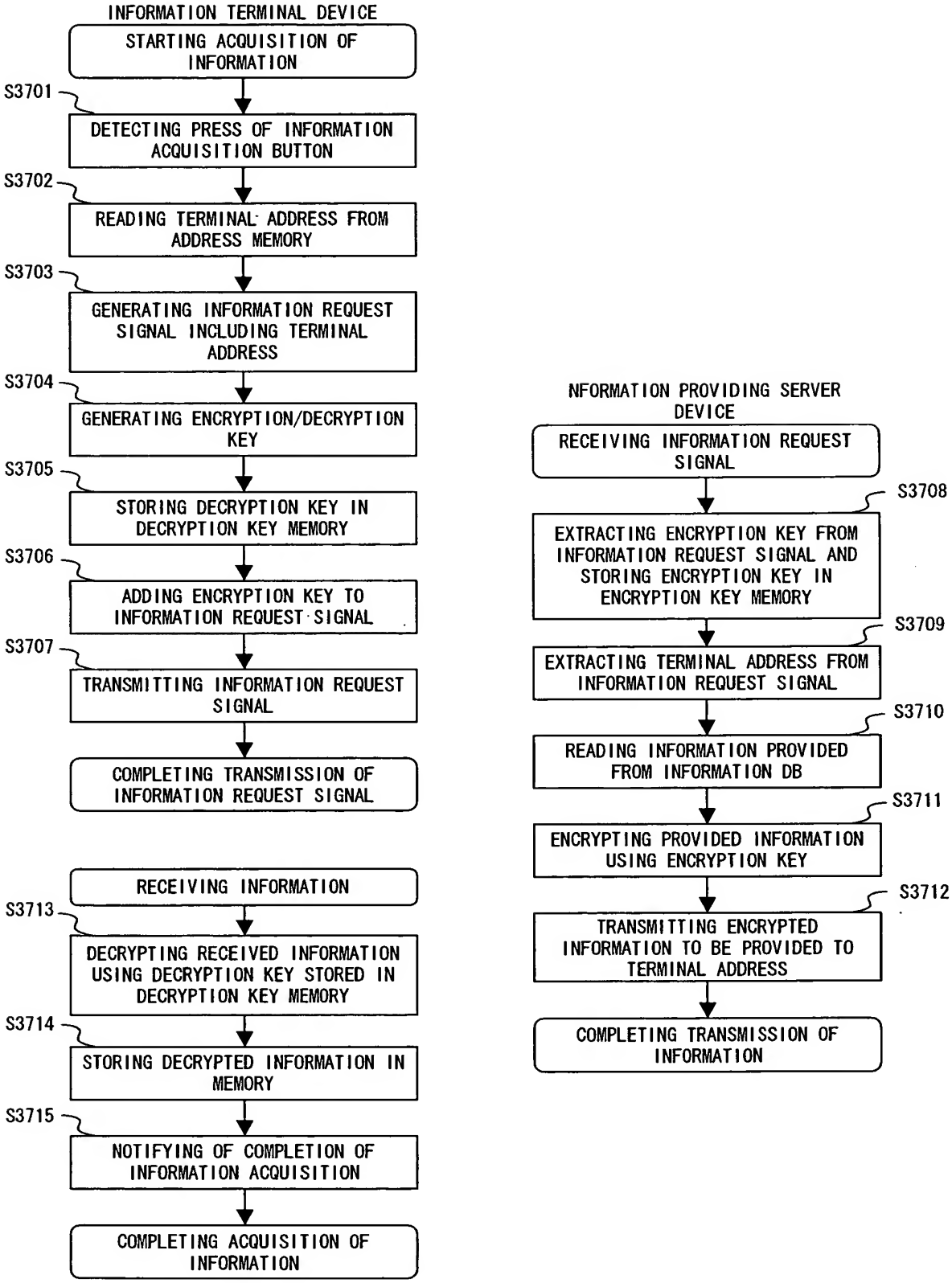
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S3701
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S3702
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S3703
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S3704
GENERATING ENCRYPTION/DECRYPTION KEY
S3705
STORING DECRYPTION KEY IN DECRYPTION KEY MEMORY
S3706
ADDING ENCRYPTION KEY TO INFORMATION REQUEST SIGNAL
S3707
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
RECEIVING INFORMATION
S3713
DECRYPTING RECEIVED INFORMATION USING DECRYPTION KEY STORED IN DECRYPTION KEY MEMORY
S3714
STORING DECRYPTED INFORMATION IN MEMORY
S3715
NOTIFYING OF COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION
NFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S3708
EXTRACTING ENCRYPTION KEY FROM INFORMATION REQUEST SIGNAL AND STORING ENCRYPTION KEY IN ENCRYPTION KEY MEMORY
S3709
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S3710
READING INFORMATION PROVIDED FROM INFORMATION DB
S3711
ENCRYPTING PROVIDED INFORMATION USING ENCRYPTION KEY
S3712
TRANSMITTING ENCRYPTED INFORMATION TO BE PROVIDED TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION

FIG. 37

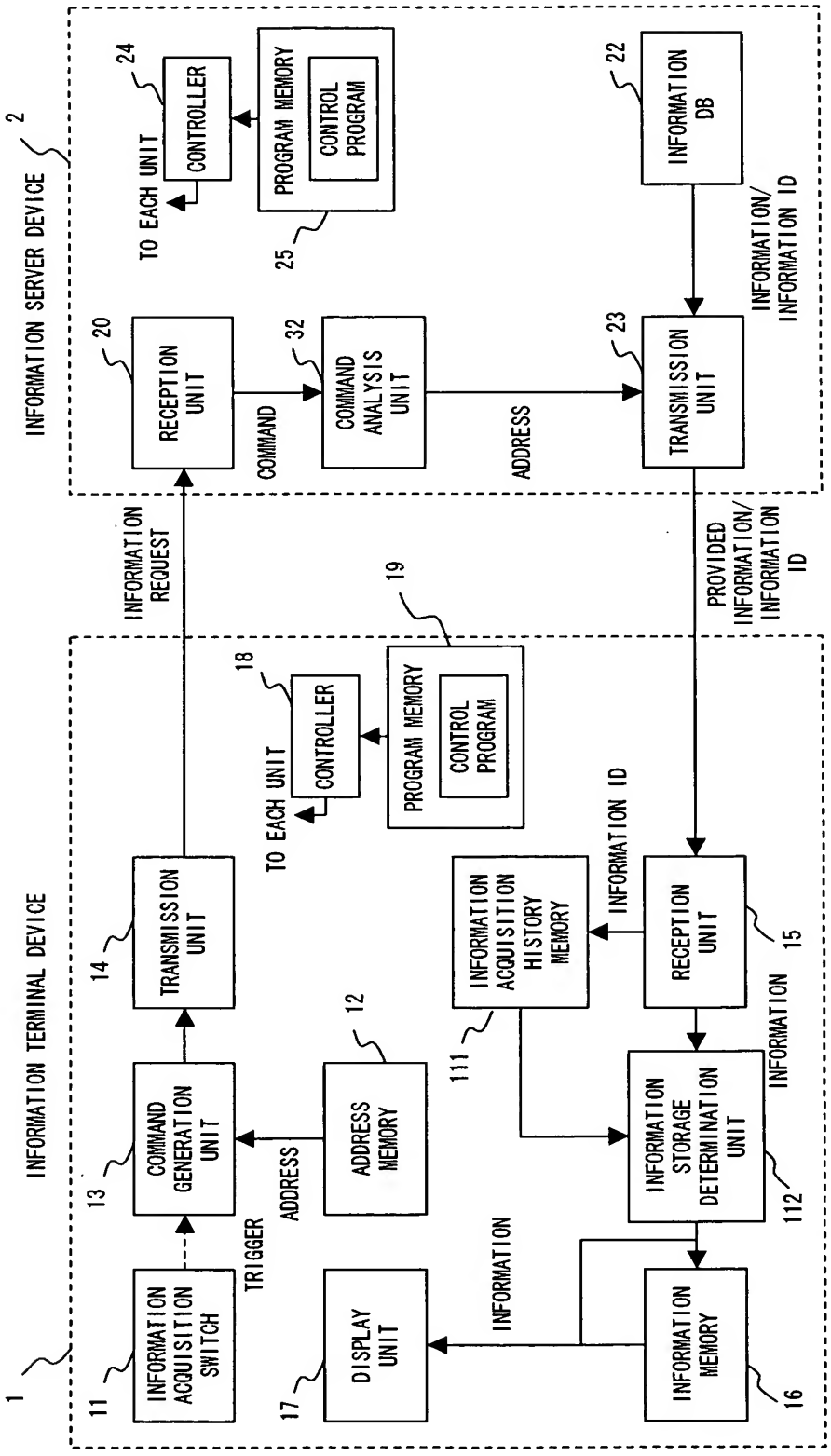
INFORMATION SERVER DEVICE
2
24
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
25
22
INFORMATION DB
20
RECEPTION UNIT
32
COMMAND ANALYSIS UNIT
23
TRANSMISSION UNIT
COMMAND
ADDRESS
INFORMATION/ INFORMATION ID
INFORMATION REQUEST
PROVIDED INFORMATION/ INFORMATION ID
19
18
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
INFORMATION TERMINAL DEVICE
1
14
TRANSMISSION UNIT
INFORMATION ACQUISITION HISTORY MEMORY
INFORMATION ID
RECEPTION UNIT
15
12
13
COMMAND GENERATION UNIT
ADDRESS MEMORY
111
INFORMATION
INFORMATION STORAGE DETERMINATION UNIT
112
TRIGGER
ADDRESS
11
INFORMATION ACQUISITION SWITCH
17
DISPLAY UNIT
INFORMATION
16
INFORMATION MEMORY

FIG. 38

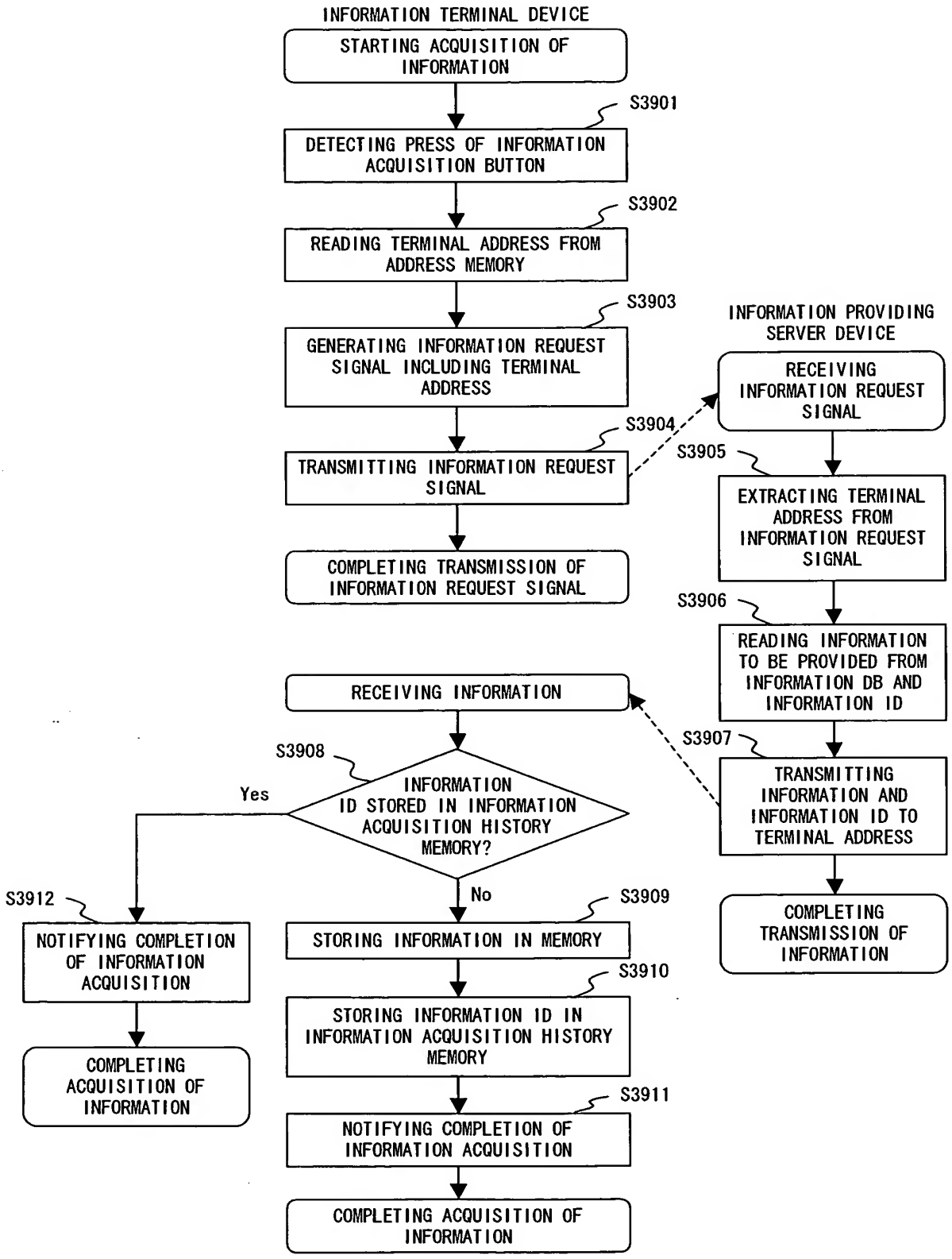
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S3901
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S3902
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S3903
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S3904
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S3905
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S3906
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB AND INFORMATION ID
S3907
TRANSMITTING INFORMATION AND INFORMATION ID TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S3908
INFORMATION ID STORED IN INFORMATION ACQUISITION HISTORY MEMORY?
Yes
No
S3912
NOTIFYING COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION
S3909
STORING INFORMATION IN MEMORY
S3910
STORING INFORMATION ID IN INFORMATION ACQUISITION HISTORY MEMORY
S3911
NOTIFYING COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION

FIG. 39

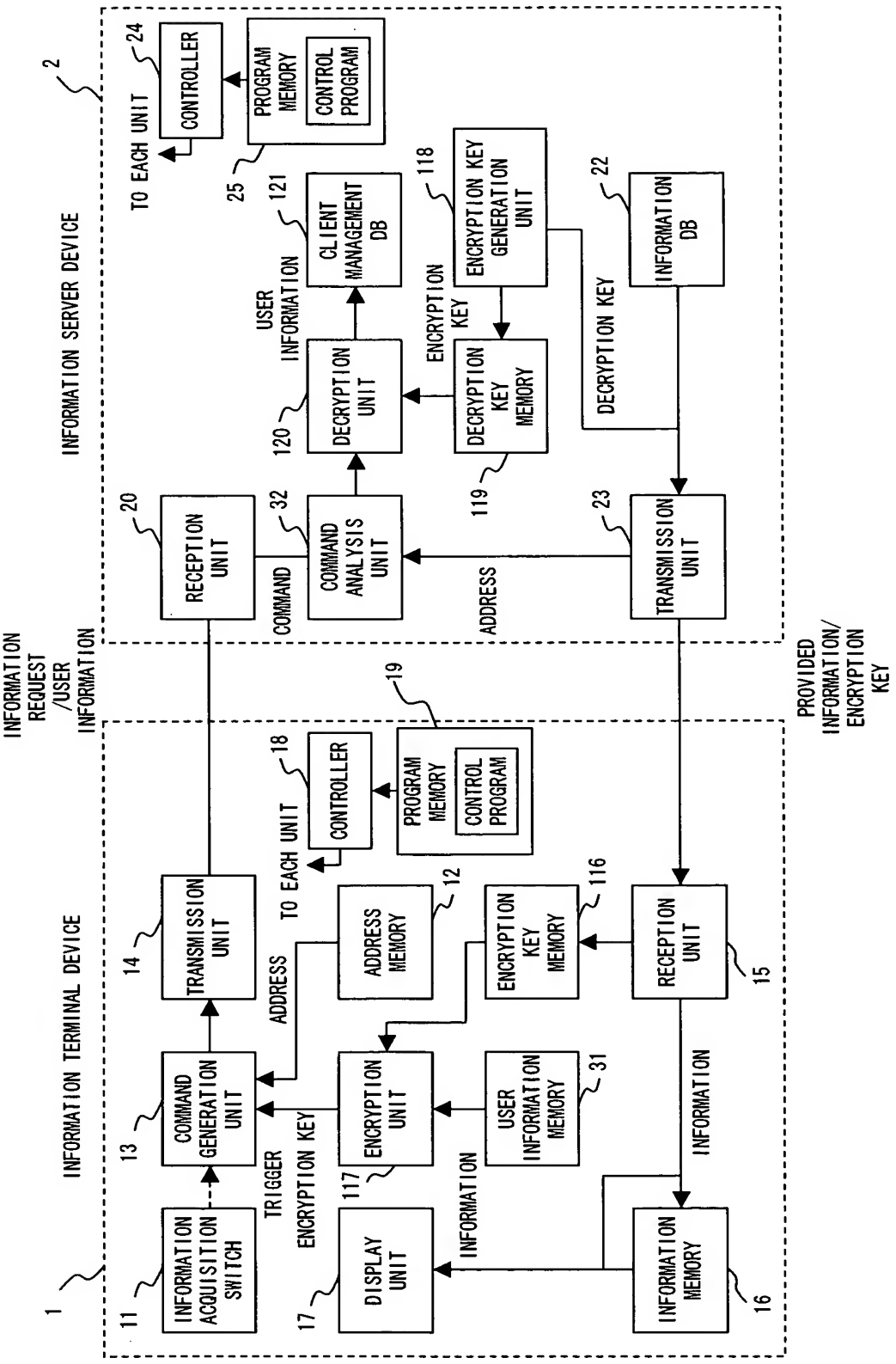
INFORMATION TERMINAL DEVICE
1
INFORMATION ACQUISITION SWITCH
11
COMMAND GENERATION UNIT
13
TRANSMISSION UNIT
14
RECEPTION UNIT
15
INFORMATION MEMORY
16
DISPLAY UNIT
17
CONTROLLER
18
PROGRAM MEMORY
19
CONTROL PROGRAM
ADDRESS MEMORY
12
ENCRYPTION KEY MEMORY
116
ENCRYPTION UNIT
117
USER INFORMATION MEMORY
31
TRIGGER
ENCRYPTION KEY
INFORMATION
ADDRESS
TO EACH UNIT
INFORMATION REQUEST /USER INFORMATION
PROVIDED INFORMATION/ ENCRYPTION KEY
INFORMATION SERVER DEVICE
2
RECEPTION UNIT
20
COMMAND ANALYSIS UNIT
32
TRANSMISSION UNIT
23
DECRYPTION UNIT
120
DECRYPTION KEY MEMORY
119
CLIENT MANAGEMENT DB
121
ENCRYPTION KEY GENERATION UNIT
118
INFORMATION DB
22
CONTROLLER
24
PROGRAM MEMORY
25
CONTROL PROGRAM
COMMAND
ADDRESS
USER INFORMATION
ENCRYPTION KEY
DECRYPTION KEY
TO EACH UNIT

FIG. 40

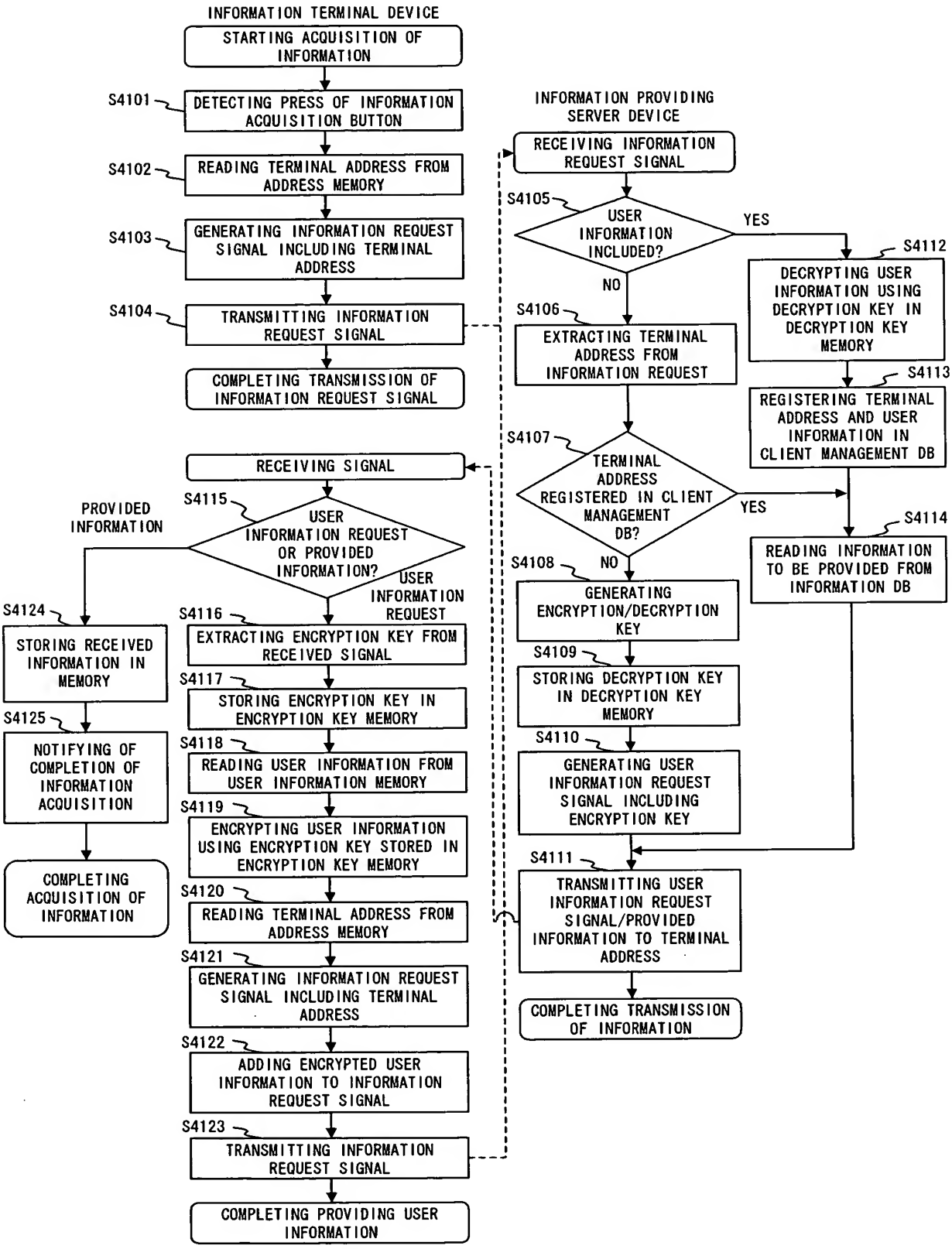
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S4101
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S4102
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S4103
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S4104
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S4105
USER INFORMATION INCLUDED?
YES
NO
S4112
DECRYPTING USER INFORMATION USING DECRYPTION KEY IN DECRYPTION KEY MEMORY
S4113
REGISTERING TERMINAL ADDRESS AND USER INFORMATION IN CLIENT MANAGEMENT DB
S4106
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST
S4107
TERMINAL ADDRESS REGISTERED IN CLIENT MANAGEMENT DB?
YES
NO
S4114
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S4108
GENERATING ENCRYPTION/DECRYPTION KEY
S4109
STORING DECRYPTION KEY IN DECRYPTION KEY MEMORY
S4110
GENERATING USER INFORMATION REQUEST SIGNAL INCLUDING ENCRYPTION KEY
S4111
TRANSMITTING USER INFORMATION REQUEST SIGNAL/PROVIDED INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING SIGNAL
S4115
USER INFORMATION REQUEST OR PROVIDED INFORMATION?
PROVIDED INFORMATION
USER INFORMATION REQUEST
S4124
STORING RECEIVED INFORMATION IN MEMORY
S4125
NOTIFYING OF COMPLETION OF INFORMATION ACQUISITION
COMPLETING ACQUISITION OF INFORMATION
S4116
EXTRACTING ENCRYPTION KEY FROM RECEIVED SIGNAL
S4117
STORING ENCRYPTION KEY IN ENCRYPTION KEY MEMORY
S4118
READING USER INFORMATION FROM USER INFORMATION MEMORY
S4119
ENCRYPTING USER INFORMATION USING ENCRYPTION KEY STORED IN ENCRYPTION KEY MEMORY
S4120
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S4121
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S4122
ADDING ENCRYPTED USER INFORMATION TO INFORMATION REQUEST SIGNAL
S4123
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING PROVIDING USER INFORMATION

FIG. 41

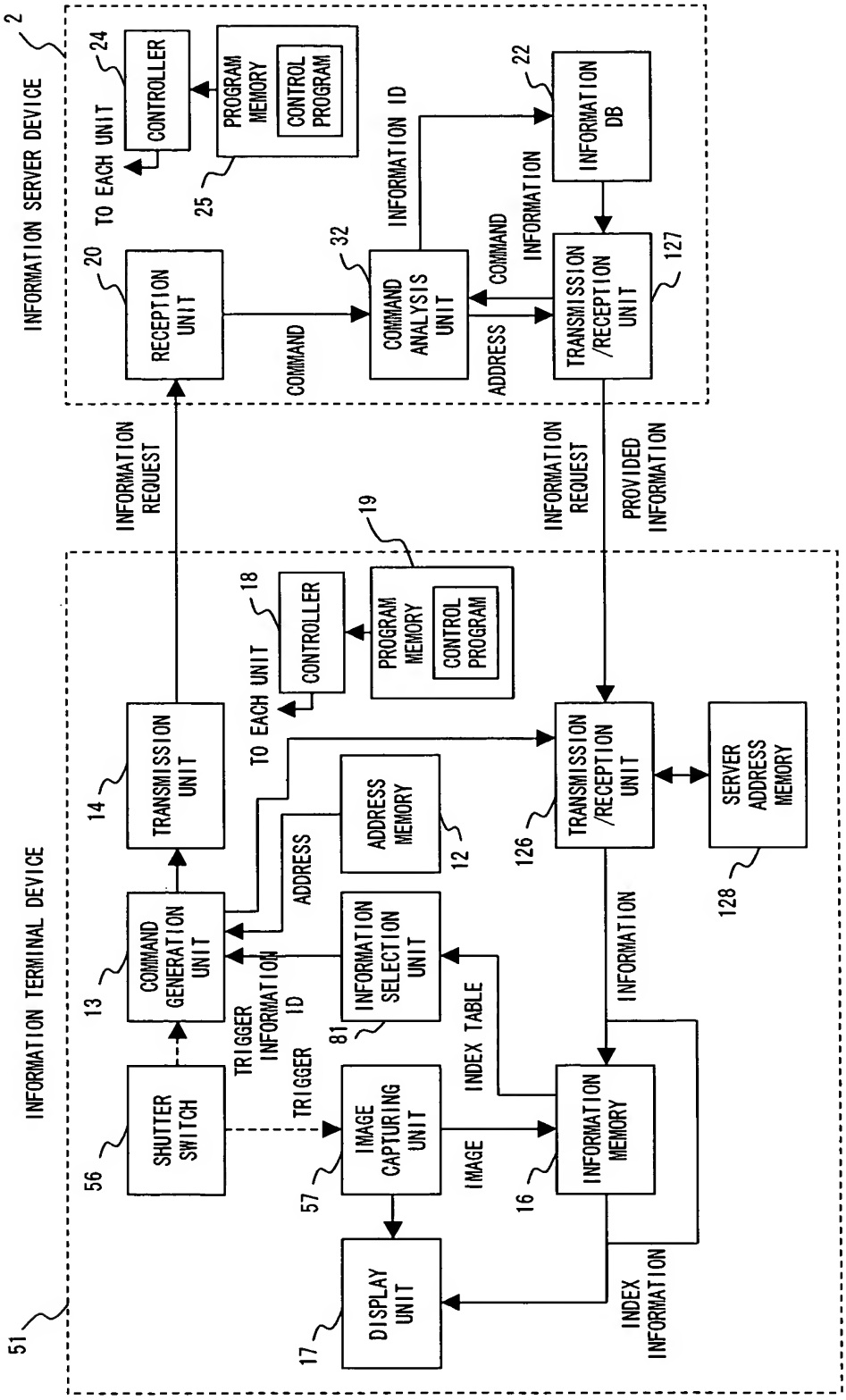
INFORMATION SERVER DEVICE
2
CONTROLLER
24
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
25
INFORMATION ID
INFORMATION DB
22
RECEPTION UNIT
20
COMMAND
COMMAND ANALYSIS UNIT
32
COMMAND
INFORMATION
ADDRESS
TRANSMISSION /RECEPTION UNIT
127
INFORMATION REQUEST
INFORMATION REQUEST
PROVIDED INFORMATION
19
CONTROLLER
18
PROGRAM MEMORY
CONTROL PROGRAM
TO EACH UNIT
INFORMATION TERMINAL DEVICE
TRANSMISSION UNIT
14
TRANSMISSION /RECEPTION UNIT
126
SERVER ADDRESS MEMORY
128
ADDRESS MEMORY
12
ADDRESS
COMMAND GENERATION UNIT
13
INFORMATION SELECTION UNIT
81
TRIGGER INFORMATION ID
INDEX TABLE
INFORMATION
SHUTTER SWITCH
56
TRIGGER
IMAGE CAPTURING UNIT
57
IMAGE
INFORMATION MEMORY
16
DISPLAY UNIT
17
INDEX INFORMATION
51

FIG. 42

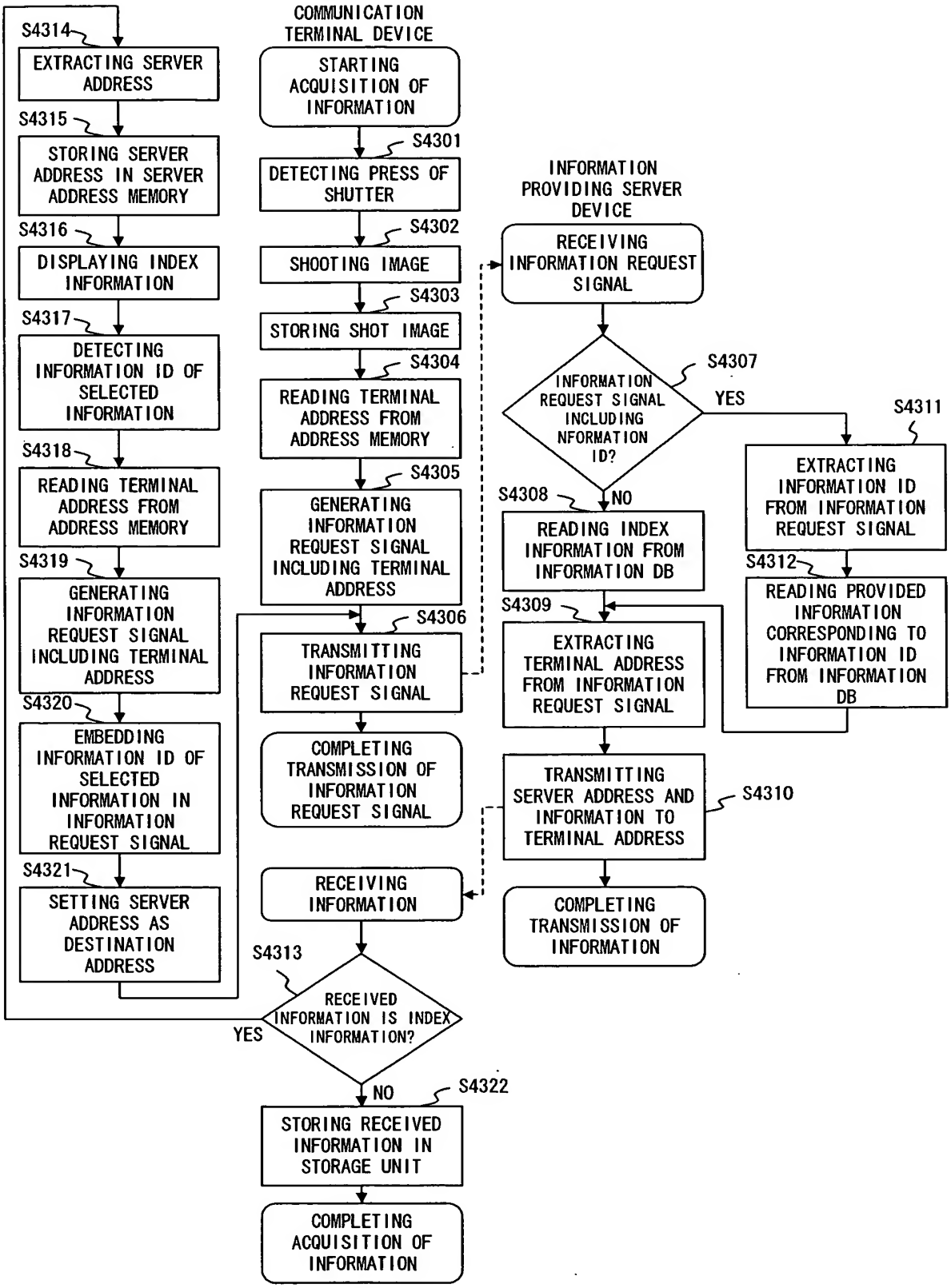
COMMUNICATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S4301
DETECTING PRESS OF SHUTTER
S4302
SHOOTING IMAGE
S4303
STORING SHOT IMAGE
S4304
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S4305
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S4306
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
RECEIVING INFORMATION
S4313
RECEIVED INFORMATION IS INDEX INFORMATION?
YES
NO
S4322
STORING RECEIVED INFORMATION IN STORAGE UNIT
COMPLETING ACQUISITION OF INFORMATION
S4314
EXTRACTING SERVER ADDRESS
S4315
STORING SERVER ADDRESS IN SERVER ADDRESS MEMORY
S4316
DISPLAYING INDEX INFORMATION
S4317
DETECTING INFORMATION ID OF SELECTED INFORMATION
S4318
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S4319
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S4320
EMBEDDING INFORMATION ID OF SELECTED INFORMATION IN INFORMATION REQUEST SIGNAL
S4321
SETTING SERVER ADDRESS AS DESTINATION ADDRESS
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S4307
INFORMATION REQUEST SIGNAL INCLUDING NFORMATION ID?
YES
NO
S4311
EXTRACTING INFORMATION ID FROM INFORMATION REQUEST SIGNAL
S4312
READING PROVIDED INFORMATION CORRESPONDING TO INFORMATION ID FROM INFORMATION DB
S4308
READING INDEX INFORMATION FROM INFORMATION DB
S4309
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
TRANSMITTING SERVER ADDRESS AND INFORMATION TO TERMINAL ADDRESS
S4310
COMPLETING TRANSMISSION OF INFORMATION

FIG. 43

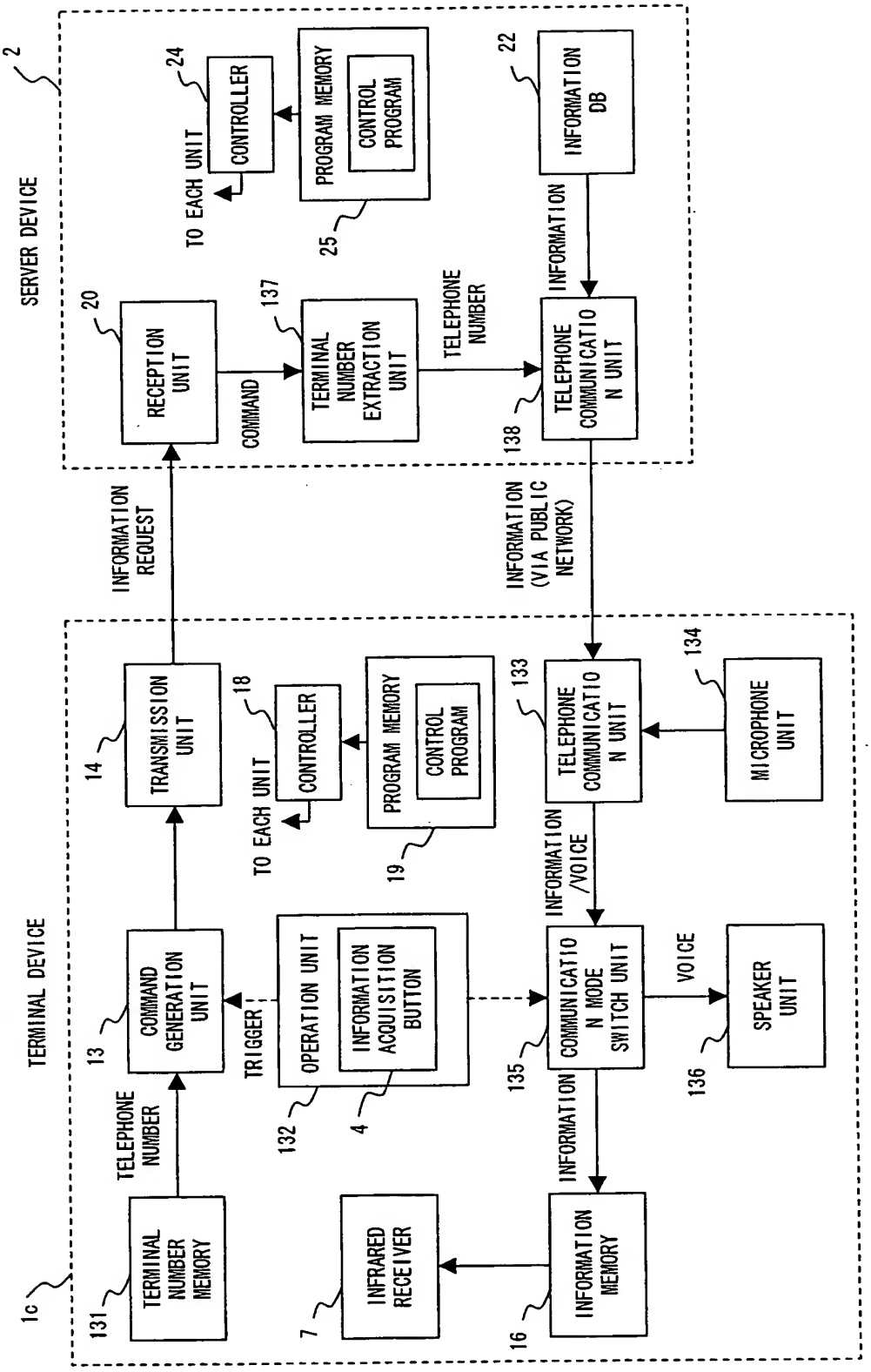
SERVER DEVICE
2
24
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
25
22
INFORMATION DB
INFORMATION
20
RECEPTION UNIT
COMMAND
137
TERMINAL NUMBER EXTRACTION UNIT
TELEPHONE NUMBER
TELEPHONE COMMUNICATION UNIT
138
INFORMATION REQUEST
INFORMATION (VIA PUBLIC NETWORK)
TERMINAL DEVICE
1c
14
TRANSMISSION UNIT
18
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
19
133
TELEPHONE COMMUNICATION UNIT
134
MICROPHONE UNIT
INFORMATION /VOICE
13
COMMAND GENERATION UNIT
TRIGGER
OPERATION UNIT
INFORMATION ACQUISITION BUTTON
132
4
135
COMMUNICATION MODE SWITCH UNIT
VOICE
136
SPEAKER UNIT
TELEPHONE NUMBER
131
TERMINAL NUMBER MEMORY
7
INFRARED RECEIVER
INFORMATION
16
INFORMATION MEMORY

FIG. 44

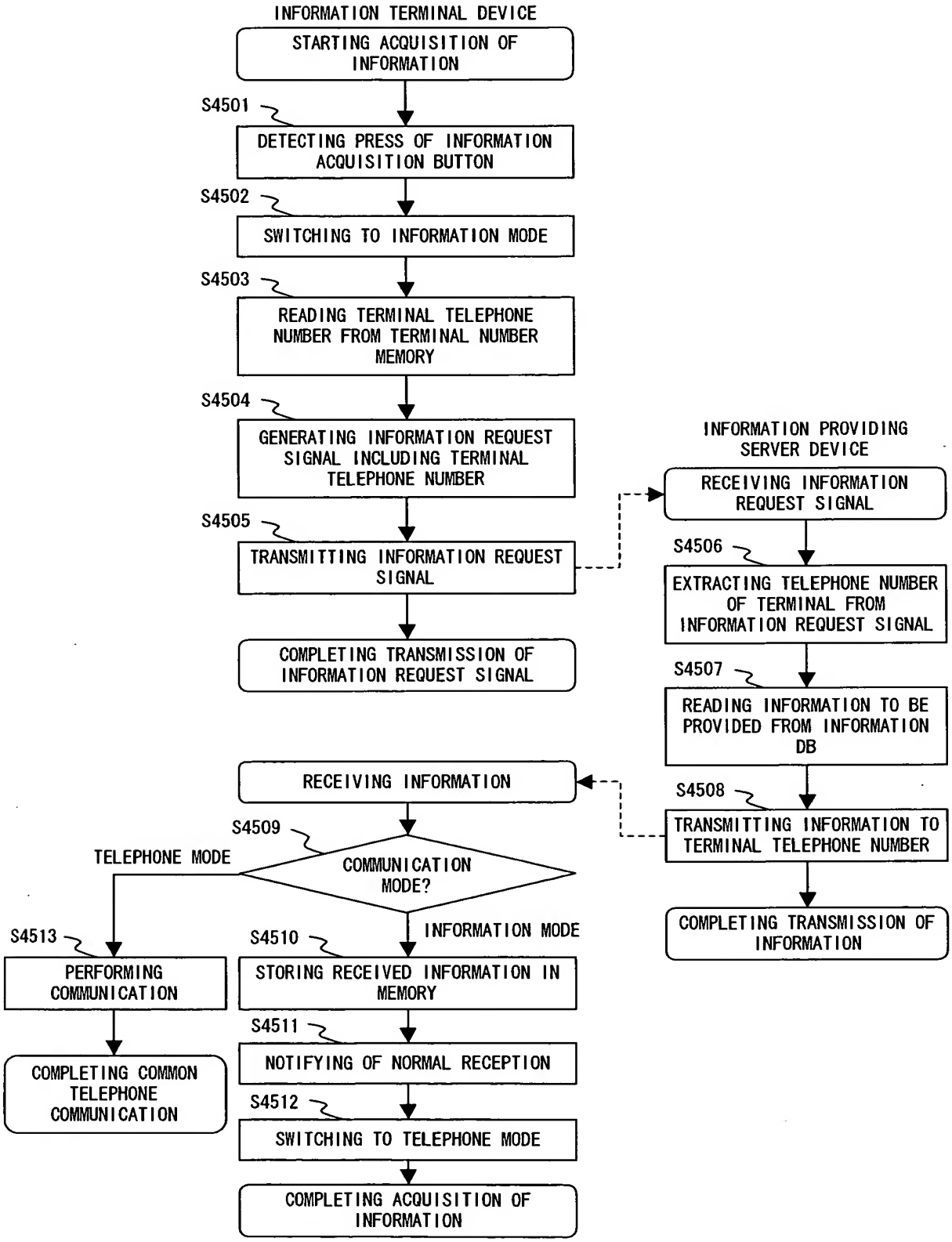
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S4501
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S4502
SWITCHING TO INFORMATION MODE
S4503
READING TERMINAL TELEPHONE NUMBER FROM TERMINAL NUMBER MEMORY
S4504
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL TELEPHONE NUMBER
S4505
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S4506
EXTRACTING TELEPHONE NUMBER OF TERMINAL FROM INFORMATION REQUEST SIGNAL
S4507
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S4508
TRANSMITTING INFORMATION TO TERMINAL TELEPHONE NUMBER
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S4509
COMMUNICATION MODE?
TELEPHONE MODE
INFORMATION MODE
S4513
PERFORMING COMMUNICATION
COMPLETING COMMON TELEPHONE COMMUNICATION
S4510
STORING RECEIVED INFORMATION IN MEMORY
S4511
NOTIFYING OF NORMAL RECEPTION
S4512
SWITCHING TO TELEPHONE MODE
COMPLETING ACQUISITION OF INFORMATION

FIG. 45

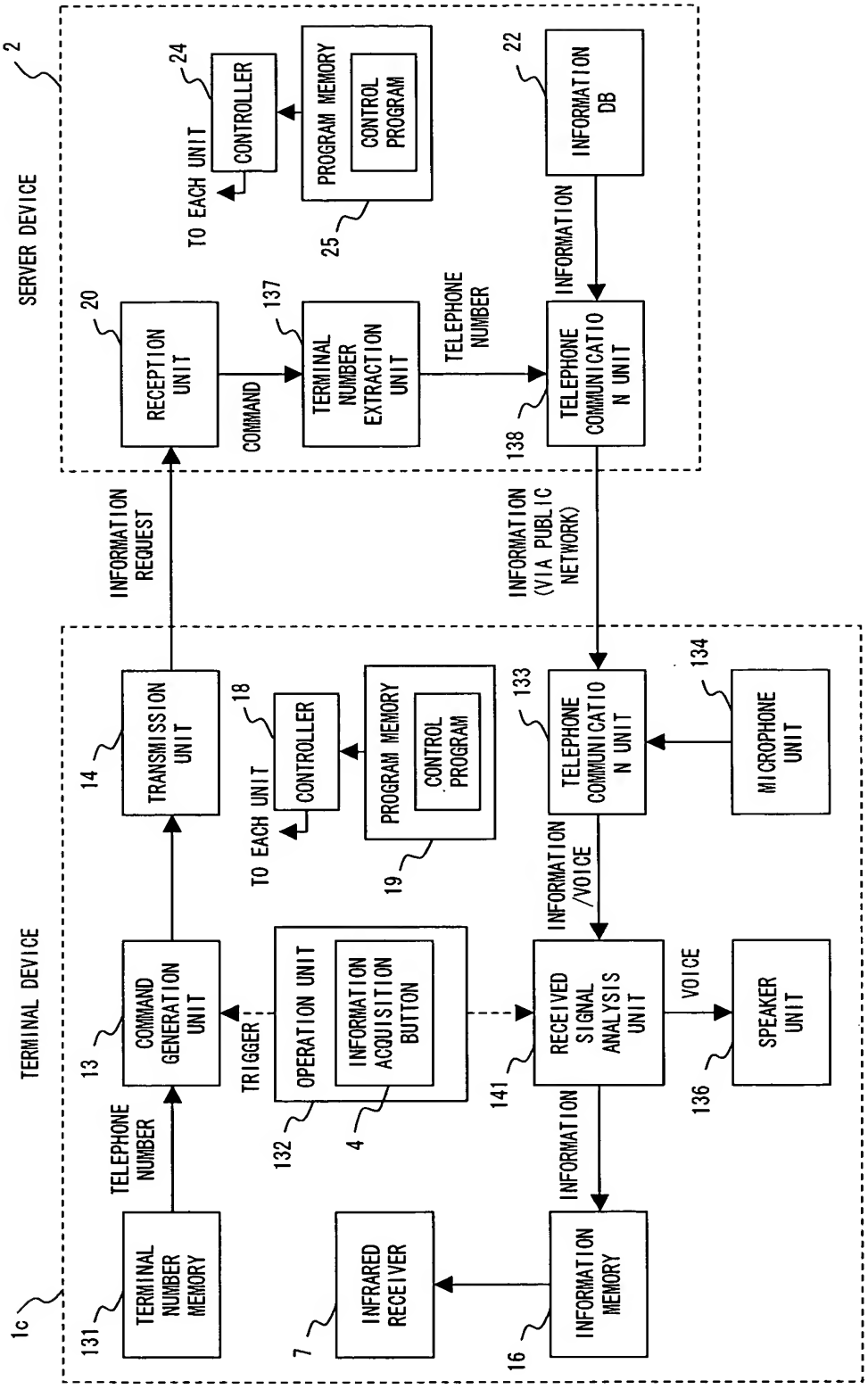
SERVER DEVICE
2
20
RECEPTION UNIT
COMMAND
137
TERMINAL NUMBER EXTRACTION UNIT
TELEPHONE NUMBER
138
TELEPHONE COMMUNICATIO N UNIT
INFORMATION
22
INFORMATION DB
TO EACH UNIT
24
CONTROLLER
PROGRAM MEMORY
CONTROL PROGRAM
25
INFORMATION REQUEST
INFORMATION (VIA PUBLIC NETWORK)
TERMINAL DEVICE
1c
14
TRANSMISSION UNIT
18
CONTROLLER
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
19
133
TELEPHONE COMMUNICATIO N UNIT
134
MICROPHONE UNIT
13
COMMAND GENERATION UNIT
TRIGGER
OPERATION UNIT
INFORMATION ACQUISITION BUTTON
132
4
INFORMATION /VOICE
141
RECEIVED SIGNAL ANALYSIS UNIT
VOICE
136
SPEAKER UNIT
TELEPHONE NUMBER
131
TERMINAL NUMBER MEMORY
7
INFRARED RECEIVER
INFORMATION
16
INFORMATION MEMORY

FIG. 46

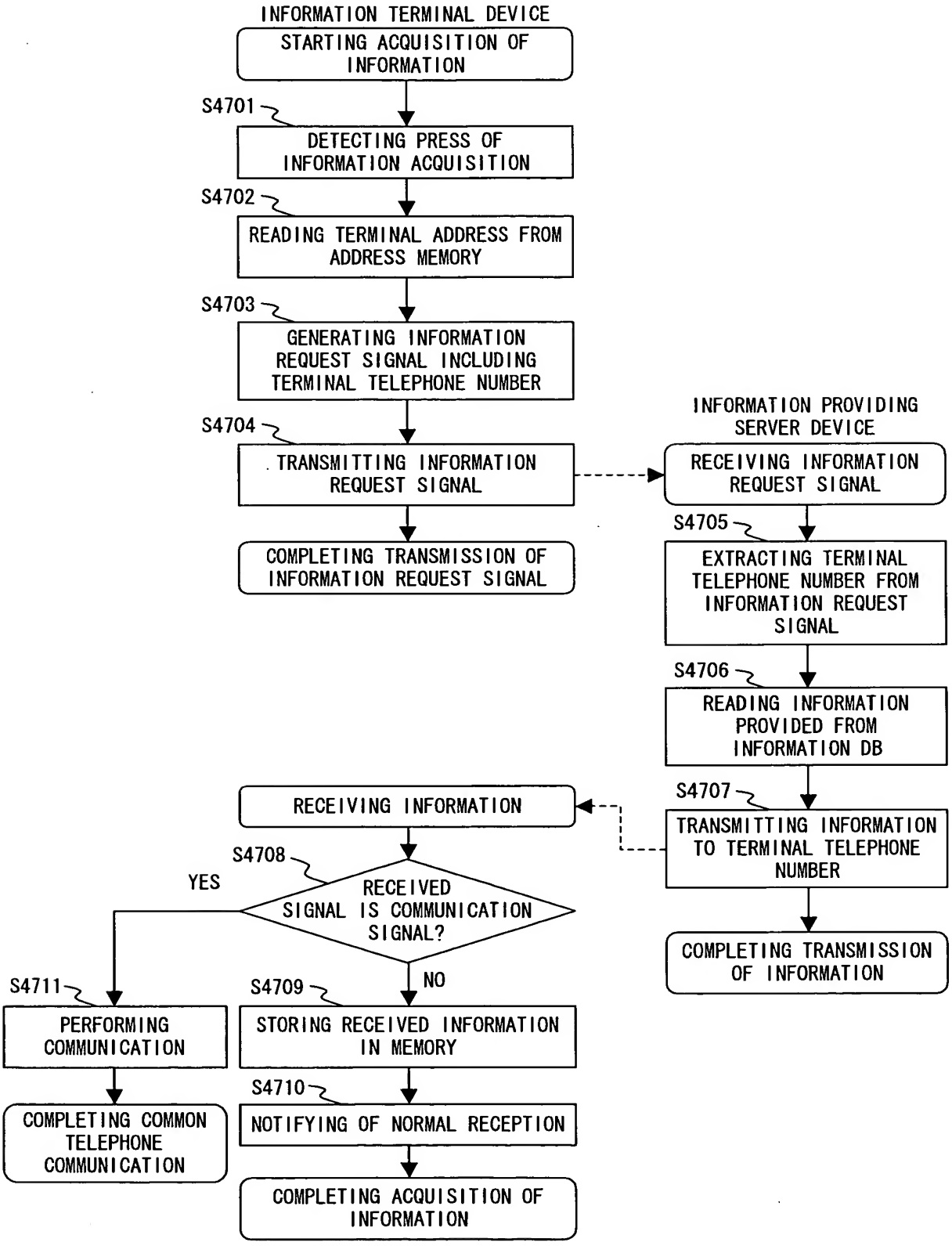
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S4701
DETECTING PRESS OF INFORMATION ACQUISITION
S4702
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S4703
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL TELEPHONE NUMBER
S4704
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S4705
EXTRACTING TERMINAL TELEPHONE NUMBER FROM INFORMATION REQUEST SIGNAL
S4706
READING INFORMATION PROVIDED FROM INFORMATION DB
S4707
TRANSMITTING INFORMATION TO TERMINAL TELEPHONE NUMBER
COMPLETING TRANSMISSION OF INFORMATION
RECEIVING INFORMATION
S4708
RECEIVED SIGNAL IS COMMUNICATION SIGNAL?
YES
NO
S4711
PERFORMING COMMUNICATION
COMPLETING COMMON TELEPHONE COMMUNICATION
S4709
STORING RECEIVED INFORMATION IN MEMORY
S4710
NOTIFYING OF NORMAL RECEPTION
COMPLETING ACQUISITION OF INFORMATION

FIG. 47

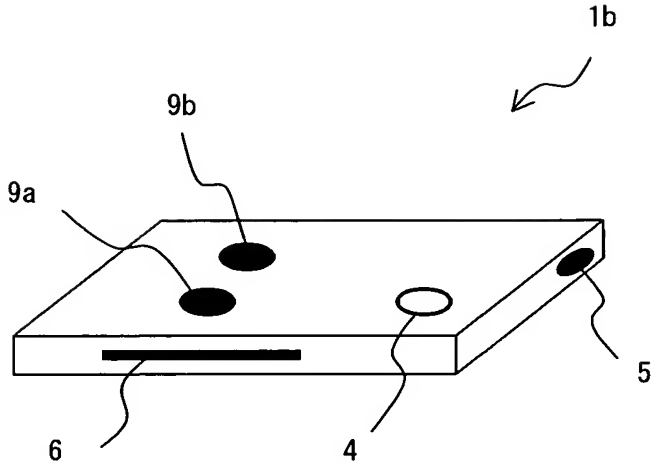
1b
9b
9a
5
6
4

FIG. 48

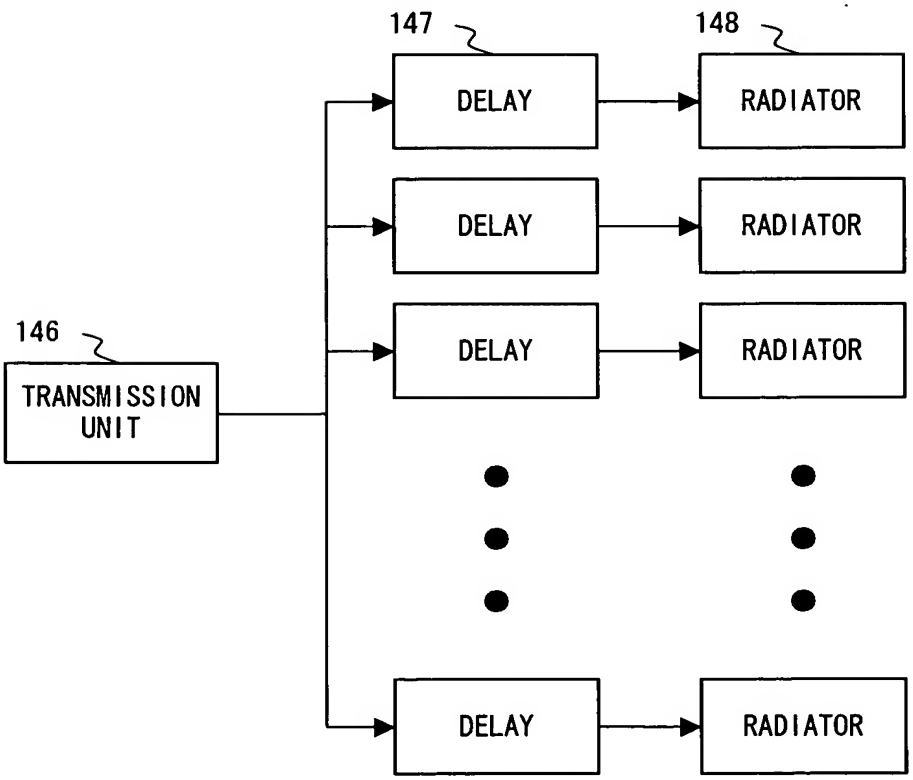
147
148
DELAY
RADIATOR
DELAY
RADIATOR
DELAY
RADIATOR
146
TRANSMISSION UNIT
DELAY
RADIATOR

FIG. 49

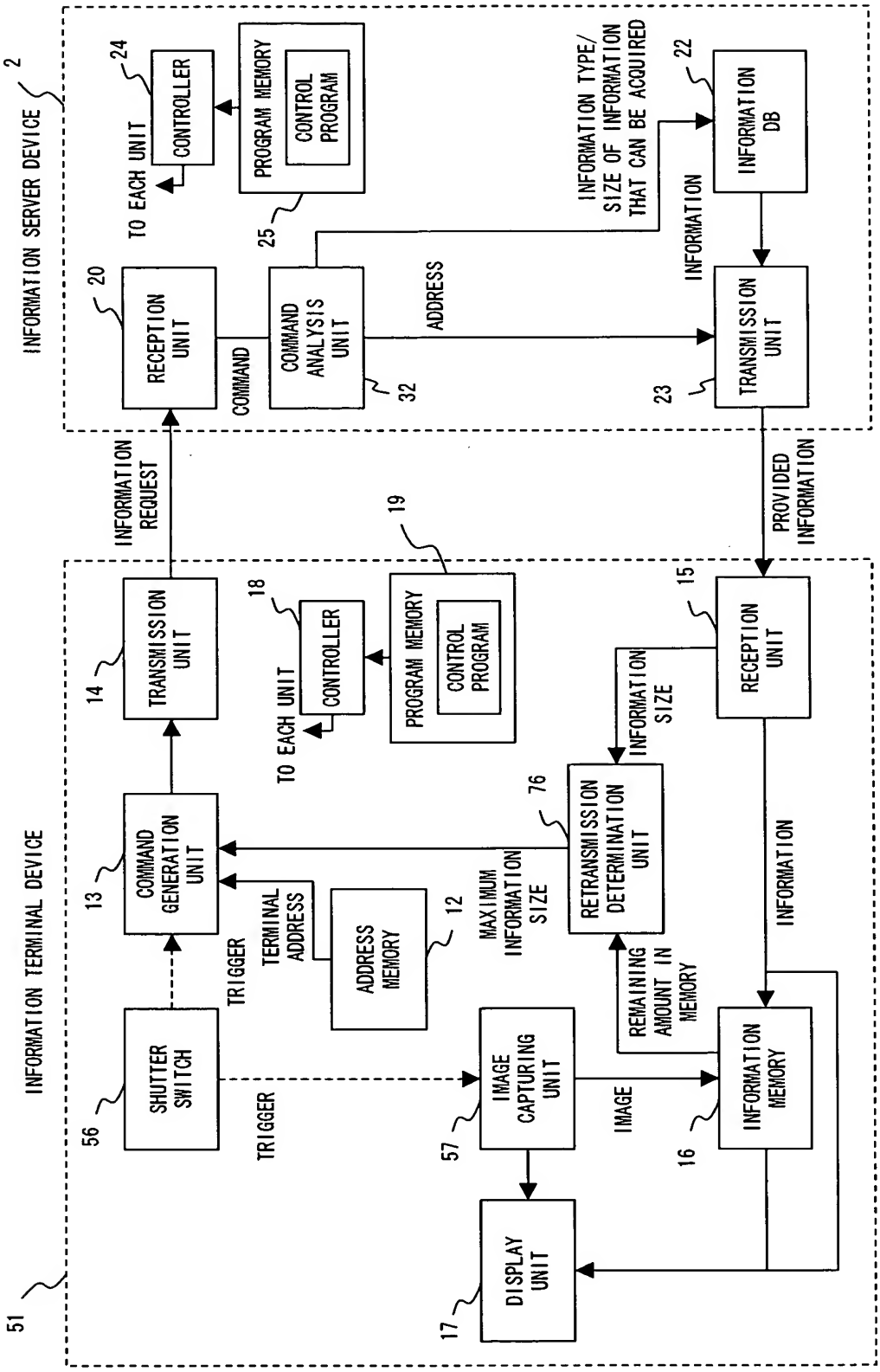
INFORMATION SERVER DEVICE
2
INFORMATION TERMINAL DEVICE
51
RECEPTION UNIT
20
COMMAND ANALYSIS UNIT
32
TRANSMISSION UNIT
23
INFORMATION DB
22
CONTROLLER
24
PROGRAM MEMORY
CONTROL PROGRAM
25
TO EACH UNIT
COMMAND
ADDRESS
INFORMATION TYPE/ SIZE OF INFORMATION THAT CAN BE ACQUIRED
INFORMATION
INFORMATION REQUEST
PROVIDED INFORMATION
TRANSMISSION UNIT
14
CONTROLLER
18
PROGRAM MEMORY
CONTROL PROGRAM
19
RECEPTION UNIT
15
COMMAND GENERATION UNIT
13
RETRANSMISSION DETERMINATION UNIT
76
INFORMATION SIZE
TERMINAL ADDRESS
ADDRESS MEMORY
12
MAXIMUM INFORMATION SIZE
TRIGGER
SHUTTER SWITCH
56
IMAGE CAPTURING UNIT
57
REMAINING AMOUNT IN MEMORY
INFORMATION MEMORY
16
IMAGE
INFORMATION
DISPLAY UNIT
17

FIG. 50

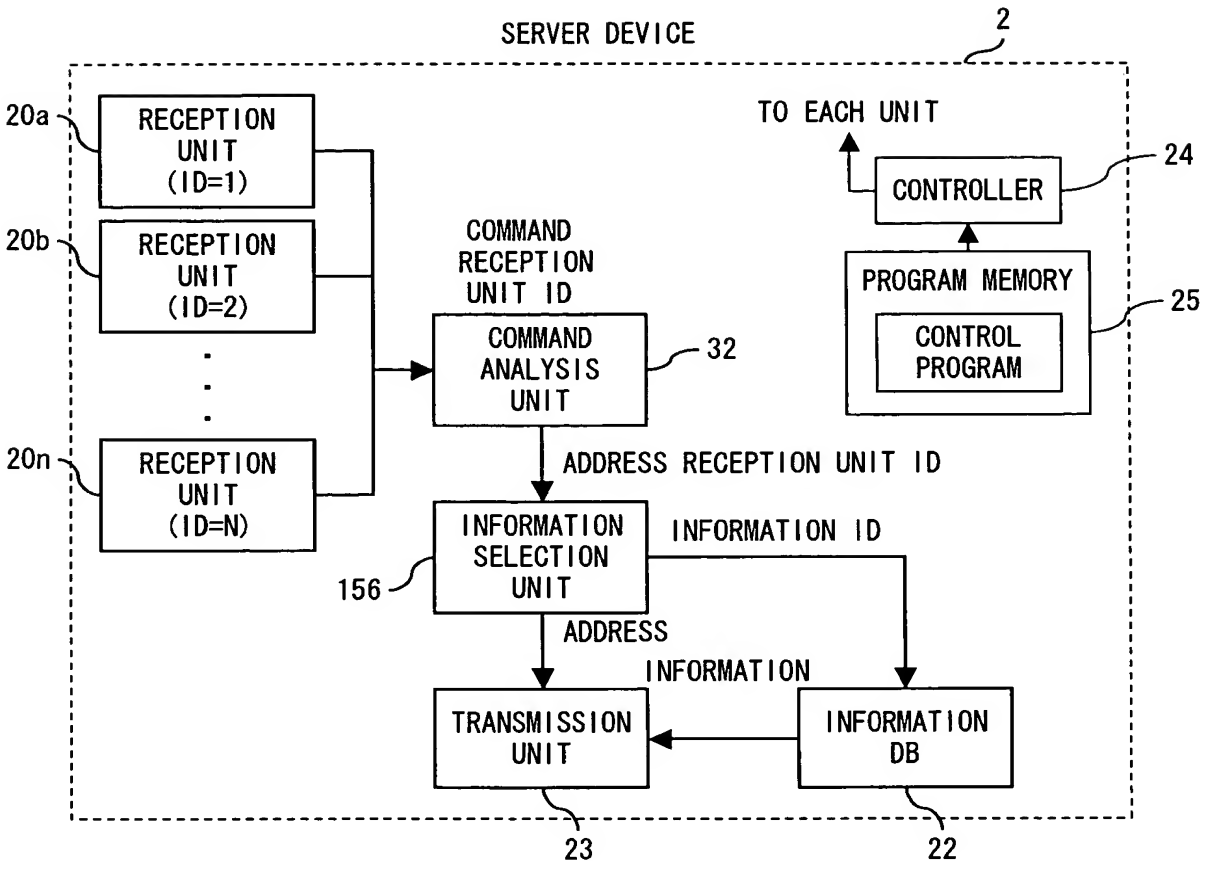

FIG. 51A

RECEPTION UNIT ID	PROVIDED INFORMATION ID
1	Info-1
2	Info-1
3	Info-2
4	Info-2
5	Info-2
6	Info-3
⋮	⋮
N	Info-M

FIG. 51B

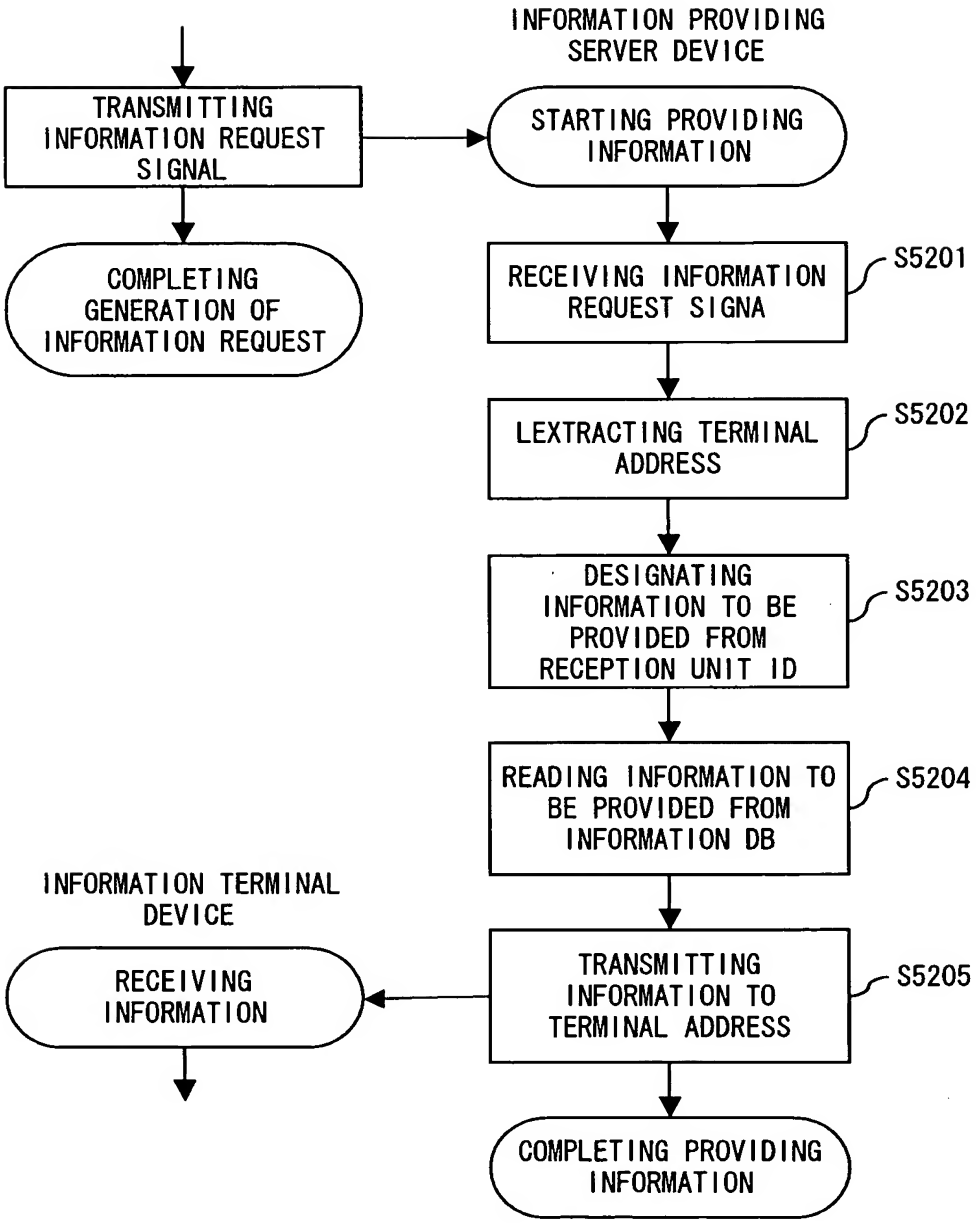
INFORMATION PROVIDING SERVER DEVICE
TRANSMITTING INFORMATION REQUEST SIGNAL
STARTING PROVIDING INFORMATION
COMPLETING GENERATION OF INFORMATION REQUEST
RECEIVING INFORMATION REQUEST SIGNA
S5201
LEXTRACTING TERMINAL ADDRESS
S5202
DESIGNATING INFORMATION TO BE PROVIDED FROM RECEPTION UNIT ID
S5203
READING INFORMATION TO BE PROVIDED FROM INFORMATION DB
S5204
INFORMATION TERMINAL DEVICE
RECEIVING INFORMATION
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
S5205
COMPLETING PROVIDING INFORMATION

FIG. 52

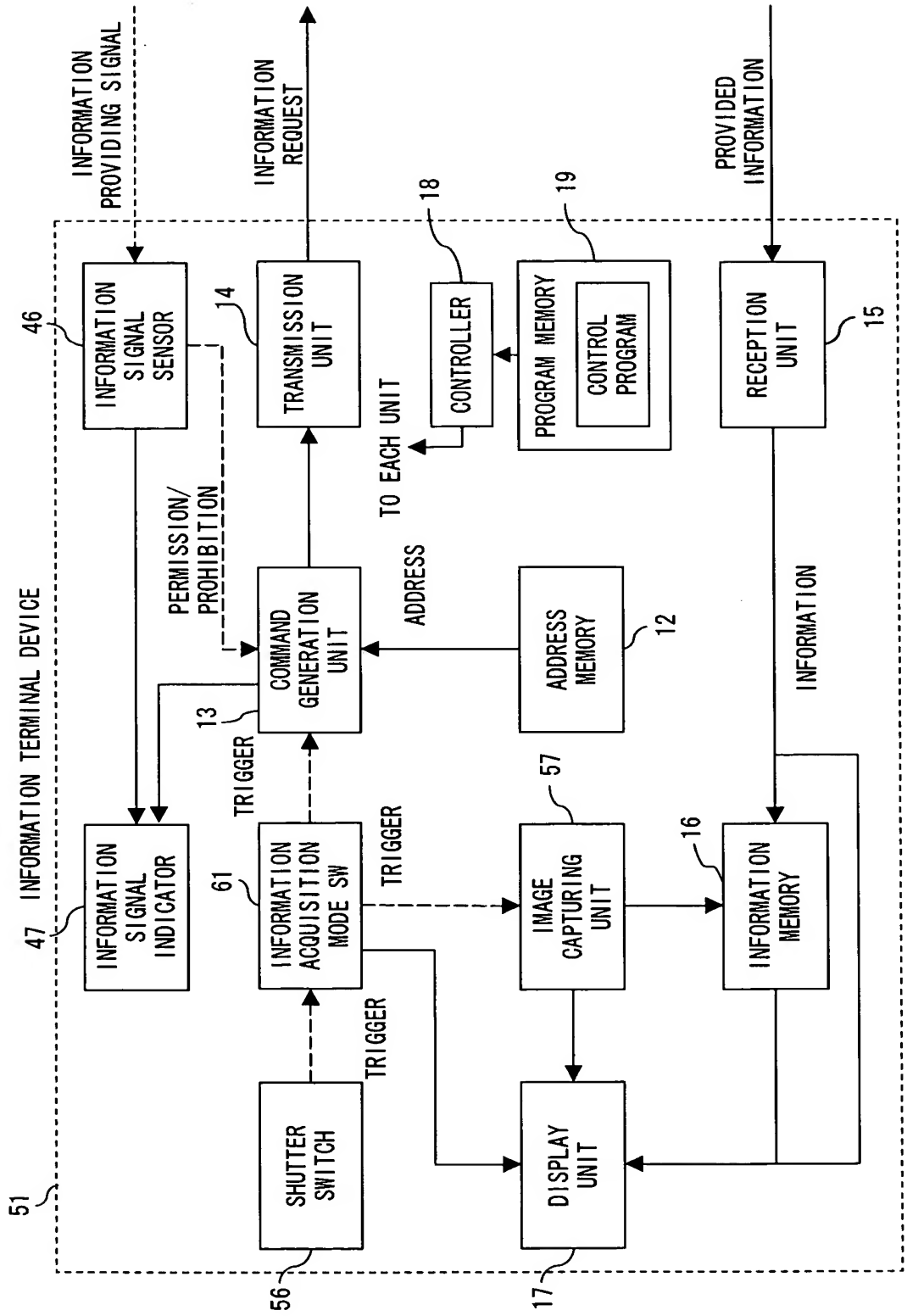
INFORMATION PROVIDING SIGNAL
INFORMATION REQUEST
PROVIDED INFORMATION
INFORMATION TERMINAL DEVICE
INFORMATION SIGNAL SENSOR
TRANSMISSION UNIT
CONTROLLER
PROGRAM MEMORY
CONTROL PROGRAM
RECEPTION UNIT
PERMISSION/ PROHIBITION
TO EACH UNIT
COMMAND GENERATION UNIT
ADDRESS
ADDRESS MEMORY
INFORMATION
TRIGGER
INFORMATION SIGNAL INDICATOR
INFORMATION ACQUISITION MODE SW
IMAGE CAPTURING UNIT
INFORMATION MEMORY
SHUTTER SWITCH
DISPLAY UNIT
46
14
18
19
15
13
12
57
16
61
47
56
17
51

FIG. 53

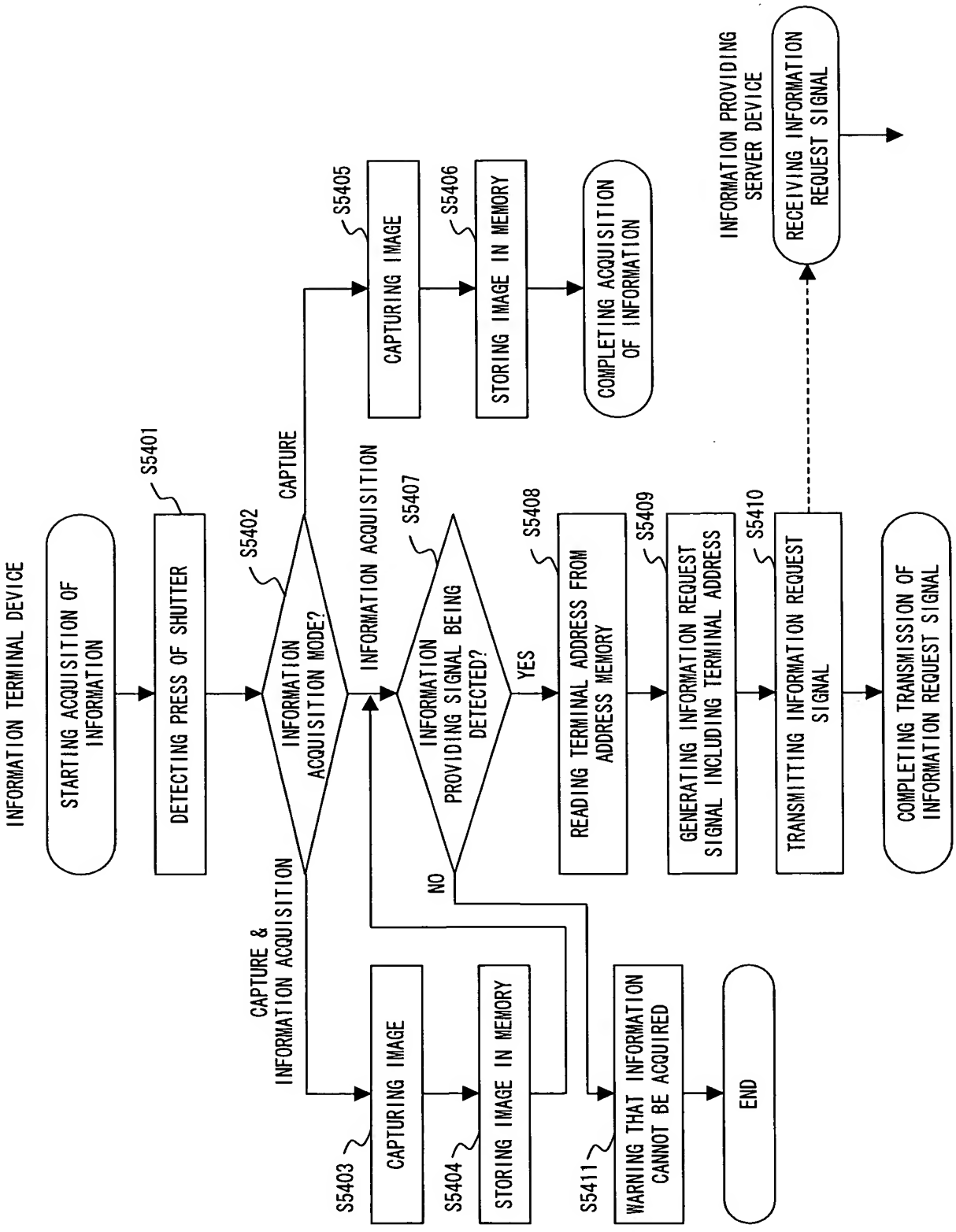
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S5401
DETECTING PRESS OF SHUTTER
S5402
INFORMATION ACQUISITION MODE?
CAPTURE
S5405
CAPTURING IMAGE
S5406
STORING IMAGE IN MEMORY
COMPLETING ACQUISITION OF INFORMATION
INFORMATION ACQUISITION
S5407
INFORMATION PROVIDING SIGNAL BEING DETECTED?
YES
S5408
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S5409
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S5410
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
NO
CAPTURE & INFORMATION ACQUISITION
S5403
CAPTURING IMAGE
S5404
STORING IMAGE IN MEMORY
S5411
WARNING THAT INFORMATION CANNOT BE ACQUIRED
END

FIG. 54

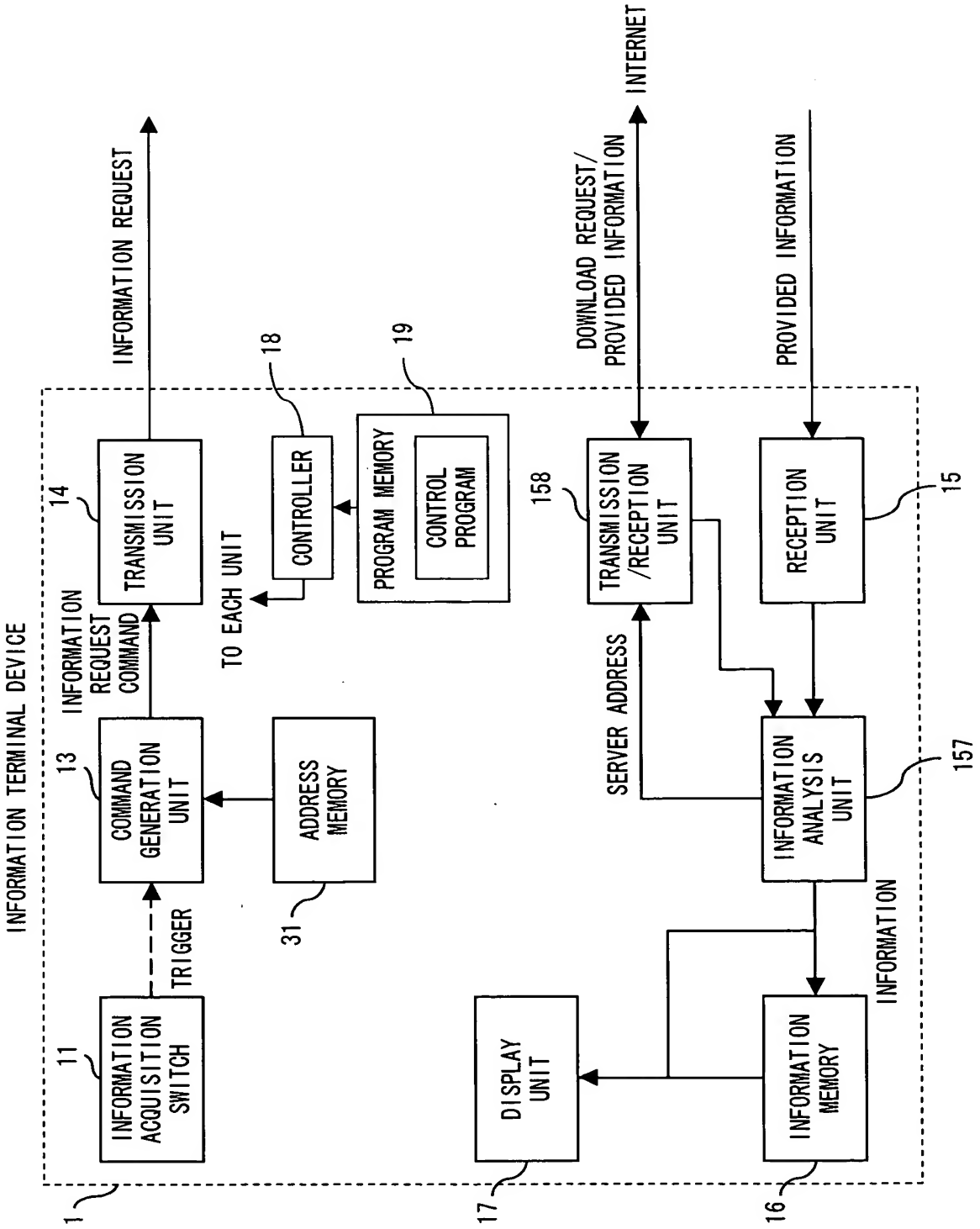
INFORMATION TERMINAL DEVICE
INFORMATION ACQUISITION SWITCH
11
TRIGGER
COMMAND GENERATION UNIT
13
INFORMATION REQUEST COMMAND
ADDRESS MEMORY
31
TRANSMISSION UNIT
14
INFORMATION REQUEST
CONTROLLER
18
TO EACH UNIT
PROGRAM MEMORY
19
CONTROL PROGRAM
INTERNET
DOWNLOAD REQUEST/ PROVIDED INFORMATION
TRANSMISSION /RECEPTION UNIT
158
SERVER ADDRESS
PROVIDED INFORMATION
RECEPTION UNIT
15
INFORMATION ANALYSIS UNIT
157
INFORMATION
DISPLAY UNIT
17
INFORMATION MEMORY
16
1

FIG. 55

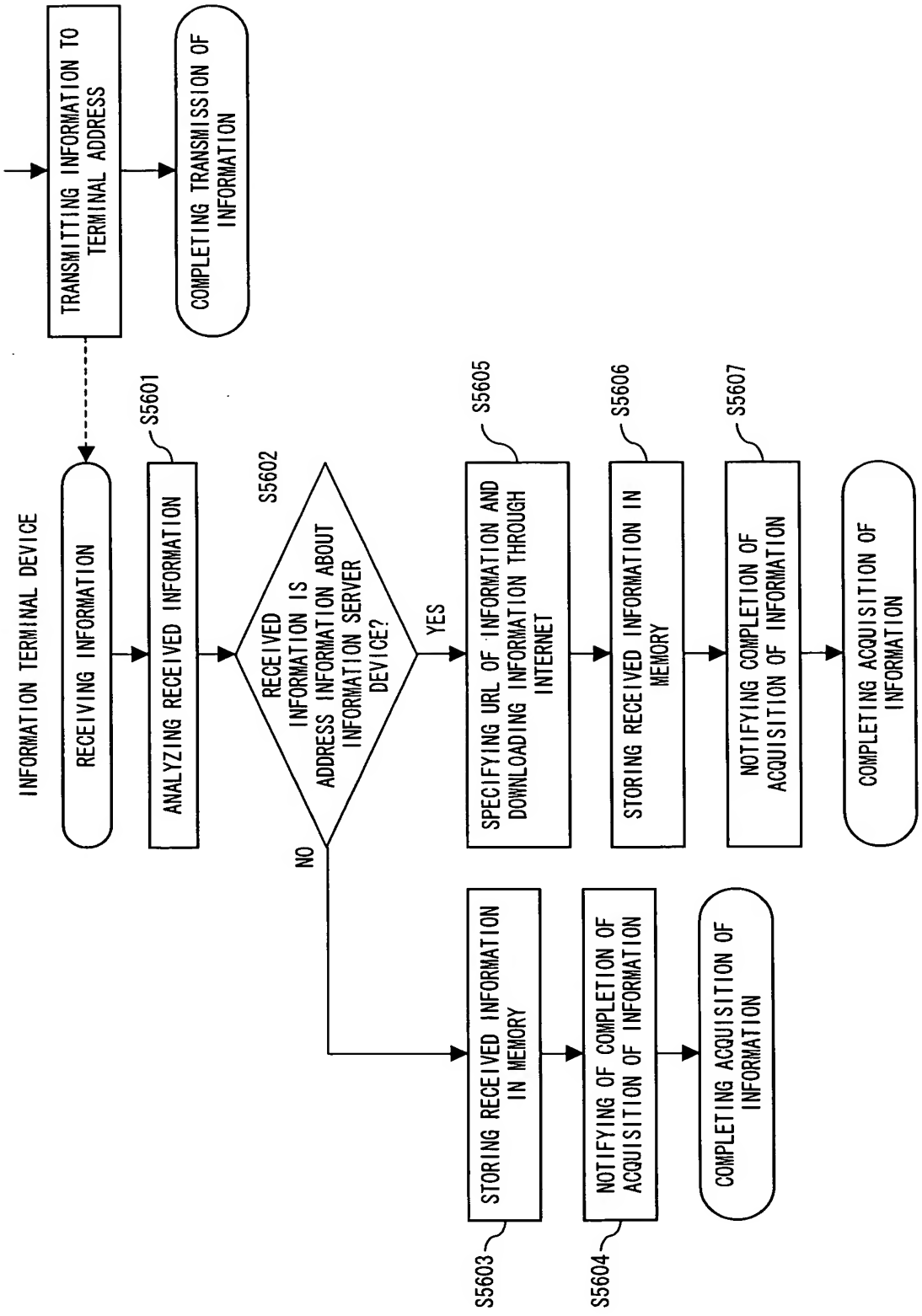
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
INFORMATION TERMINAL DEVICE
RECEIVING INFORMATION
S5601
ANALYZING RECEIVED INFORMATION
S5602
RECEIVED INFORMATION IS ADDRESS INFORMATION ABOUT INFORMATION SERVER DEVICE?
YES
NO
S5605
SPECIFYING URL OF INFORMATION AND DOWNLOADING INFORMATION THROUGH INTERNET
S5606
STORING RECEIVED INFORMATION IN MEMORY
S5607
NOTIFYING COMPLETION OF ACQUISITION OF INFORMATION
COMPLETING ACQUISITION OF INFORMATION
S5603
STORING RECEIVED INFORMATION IN MEMORY
S5604
NOTIFYING OF COMPLETION OF ACQUISITION OF INFORMATION
COMPLETING ACQUISITION OF INFORMATION

FIG. 56

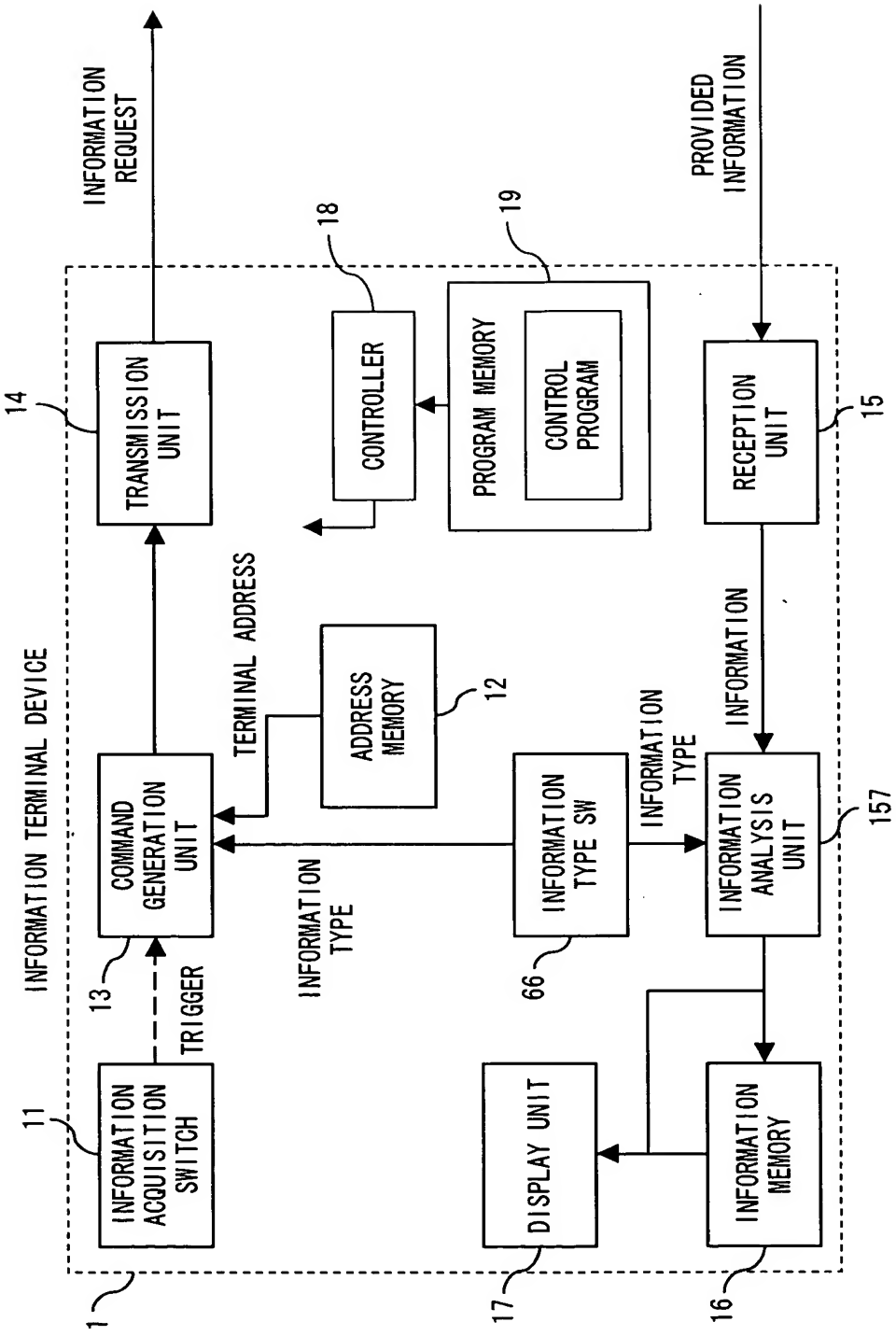
INFORMATION REQUEST
PROVIDED INFORMATION
INFORMATION TERMINAL DEVICE
TRANSMISSION UNIT
CONTROLLER
PROGRAM MEMORY
CONTROL PROGRAM
RECEPTION UNIT
COMMAND GENERATION UNIT
ADDRESS MEMORY
TERMINAL ADDRESS
INFORMATION TYPE SW
INFORMATION TYPE
INFORMATION ANALYSIS UNIT
INFORMATION
INFORMATION ACQUISITION SWITCH
TRIGGER
DISPLAY UNIT
INFORMATION MEMORY
1
11
12
13
14
15
16
17
18
19
66
157

FIG. 57

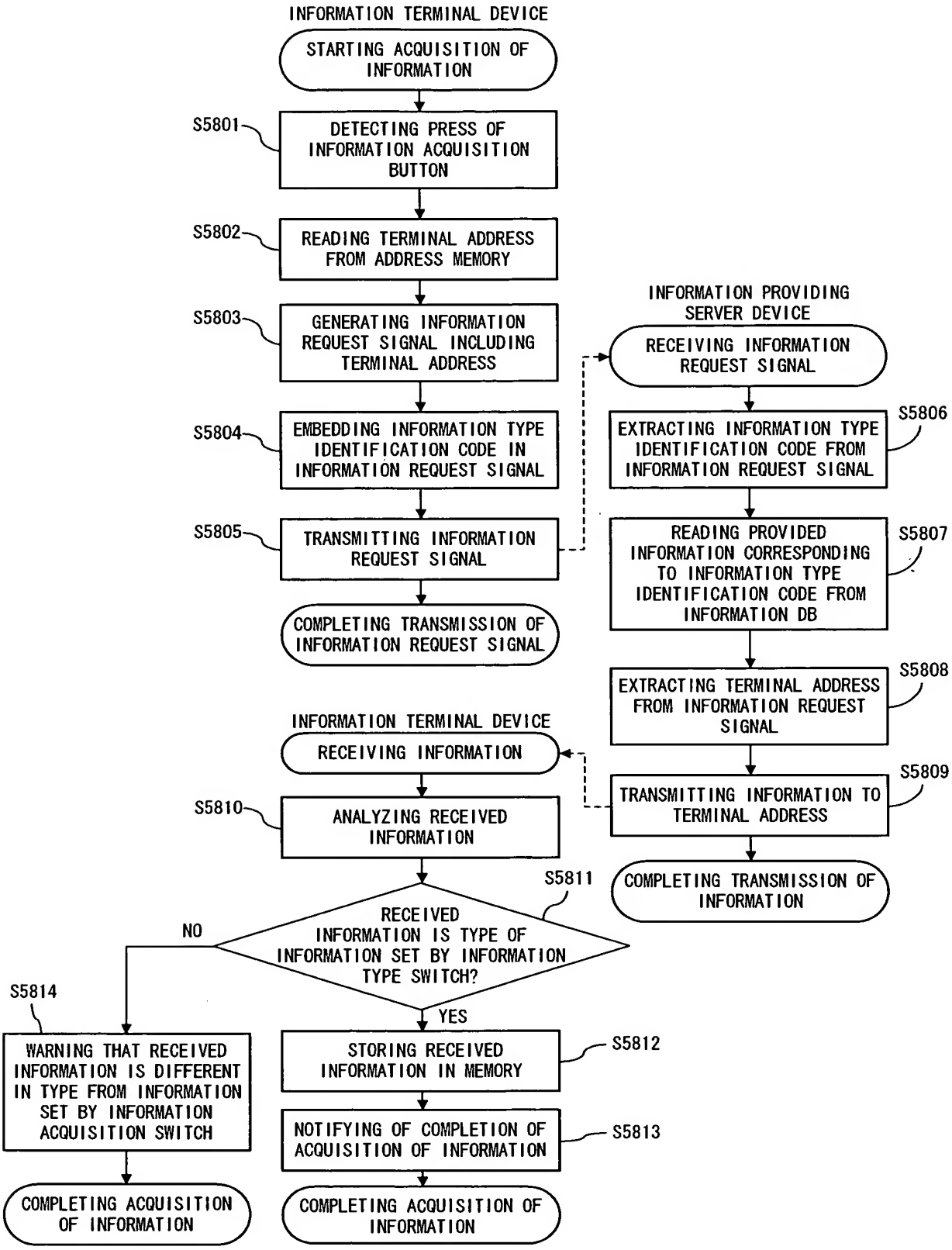
INFORMATION TERMINAL DEVICE
STARTING ACQUISITION OF INFORMATION
S5801
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S5802
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S5803
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS
S5804
EMBEDDING INFORMATION TYPE IDENTIFICATION CODE IN INFORMATION REQUEST SIGNAL
S5805
TRANSMITTING INFORMATION REQUEST SIGNAL
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S5806
EXTRACTING INFORMATION TYPE IDENTIFICATION CODE FROM INFORMATION REQUEST SIGNAL
S5807
READING PROVIDED INFORMATION CORRESPONDING TO INFORMATION TYPE IDENTIFICATION CODE FROM INFORMATION DB
S5808
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S5809
TRANSMITTING INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
INFORMATION TERMINAL DEVICE
RECEIVING INFORMATION
S5810
ANALYZING RECEIVED INFORMATION
S5811
RECEIVED INFORMATION IS TYPE OF INFORMATION SET BY INFORMATION TYPE SWITCH?
NO
YES
S5812
STORING RECEIVED INFORMATION IN MEMORY
S5813
NOTIFYING OF COMPLETION OF ACQUISITION OF INFORMATION
COMPLETING ACQUISITION OF INFORMATION
S5814
WARNING THAT RECEIVED INFORMATION IS DIFFERENT IN TYPE FROM INFORMATION SET BY INFORMATION ACQUISITION SWITCH
COMPLETING ACQUISITION OF INFORMATION

FIG. 58

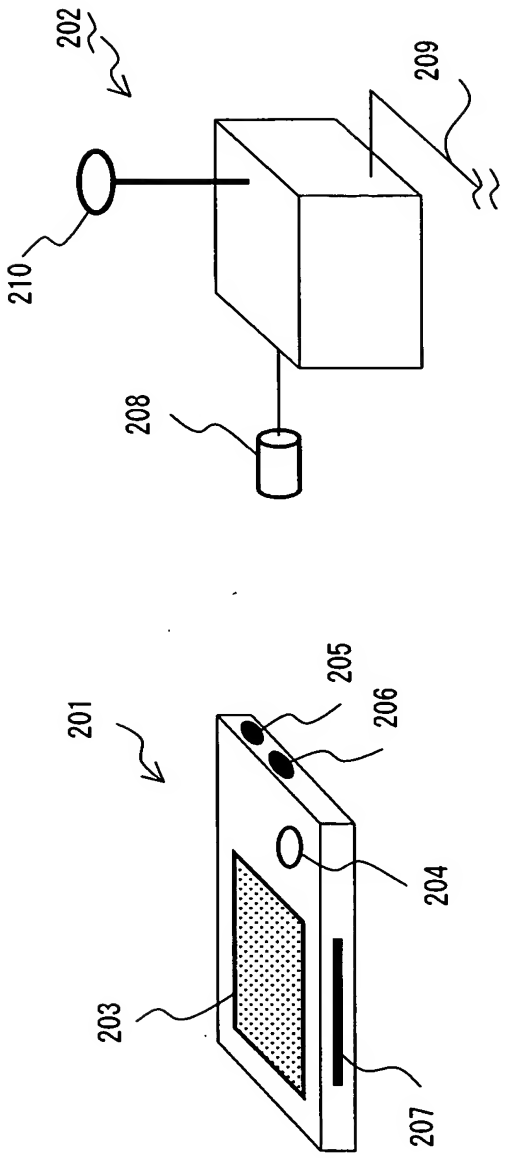

FIG. 59

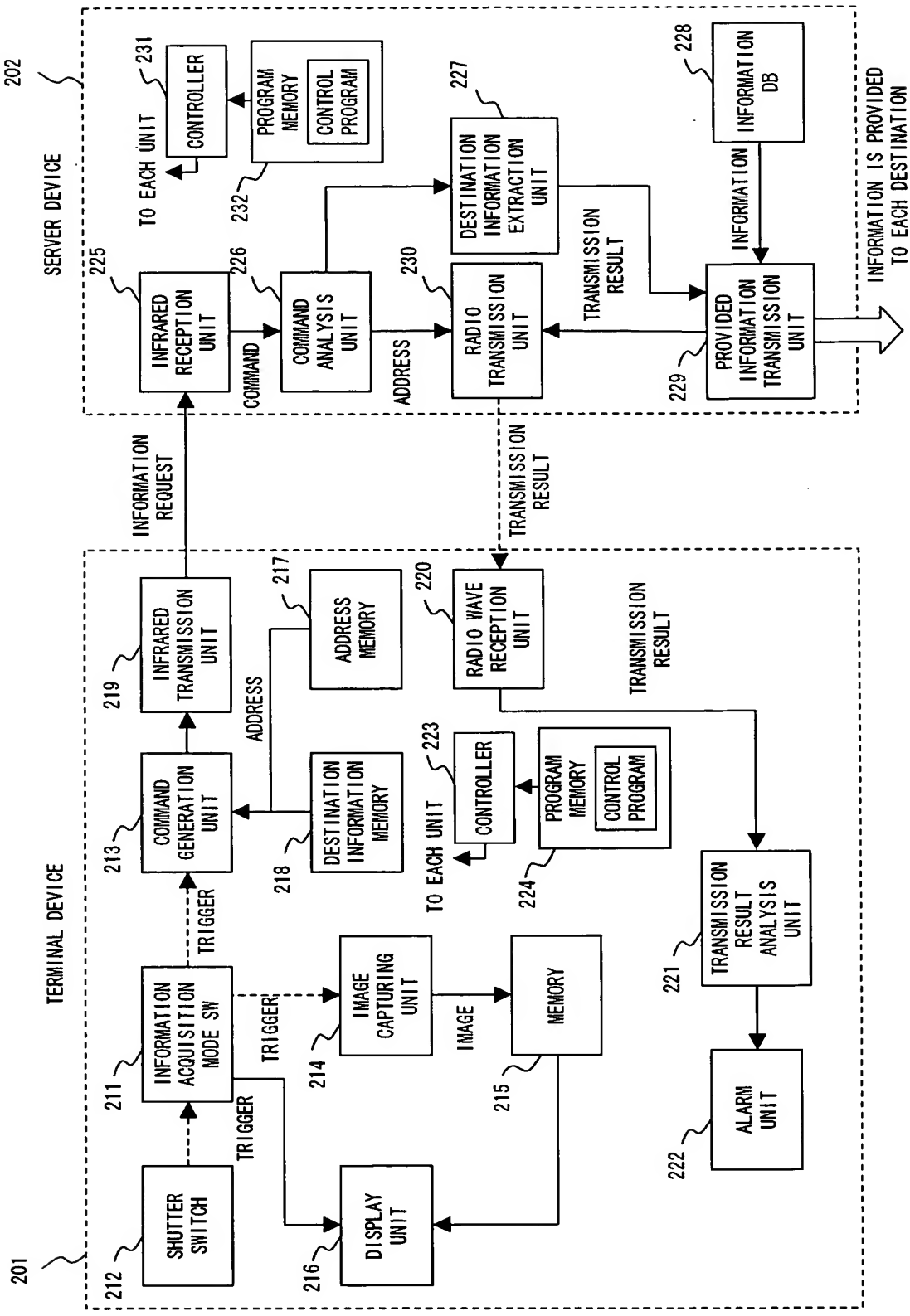
201
TERMINAL DEVICE
202
SERVER DEVICE
SHUTTER SWITCH
212
INFORMATION ACQUISITION MODE SW
211
COMMAND GENERATION UNIT
213
INFRARED TRANSMISSION UNIT
219
IMAGE CAPTURING UNIT
214
MEMORY
215
DISPLAY UNIT
216
ADDRESS MEMORY
217
DESTINATION INFORMATION MEMORY
218
RADIO WAVE RECEPTION UNIT
220
TRANSMISSION RESULT ANALYSIS UNIT
221
ALARM UNIT
222
CONTROLLER
223
PROGRAM MEMORY
224
CONTROL PROGRAM
INFRARED RECEPTION UNIT
225
COMMAND ANALYSIS UNIT
226
DESTINATION INFORMATION EXTRACTION UNIT
227
INFORMATION DB
228
PROVIDED INFORMATION TRANSMISSION UNIT
229
RADIO TRANSMISSION UNIT
230
CONTROLLER
231
PROGRAM MEMORY
232
CONTROL PROGRAM
INFORMATION REQUEST
TRANSMISSION RESULT
TRIGGER
TRIGGER
TRIGGER
ADDRESS
TO EACH UNIT
TO EACH UNIT
IMAGE
COMMAND
ADDRESS
TRANSMISSION RESULT
INFORMATION
INFORMATION IS PROVIDED TO EACH DESTINATION

FIG. 60

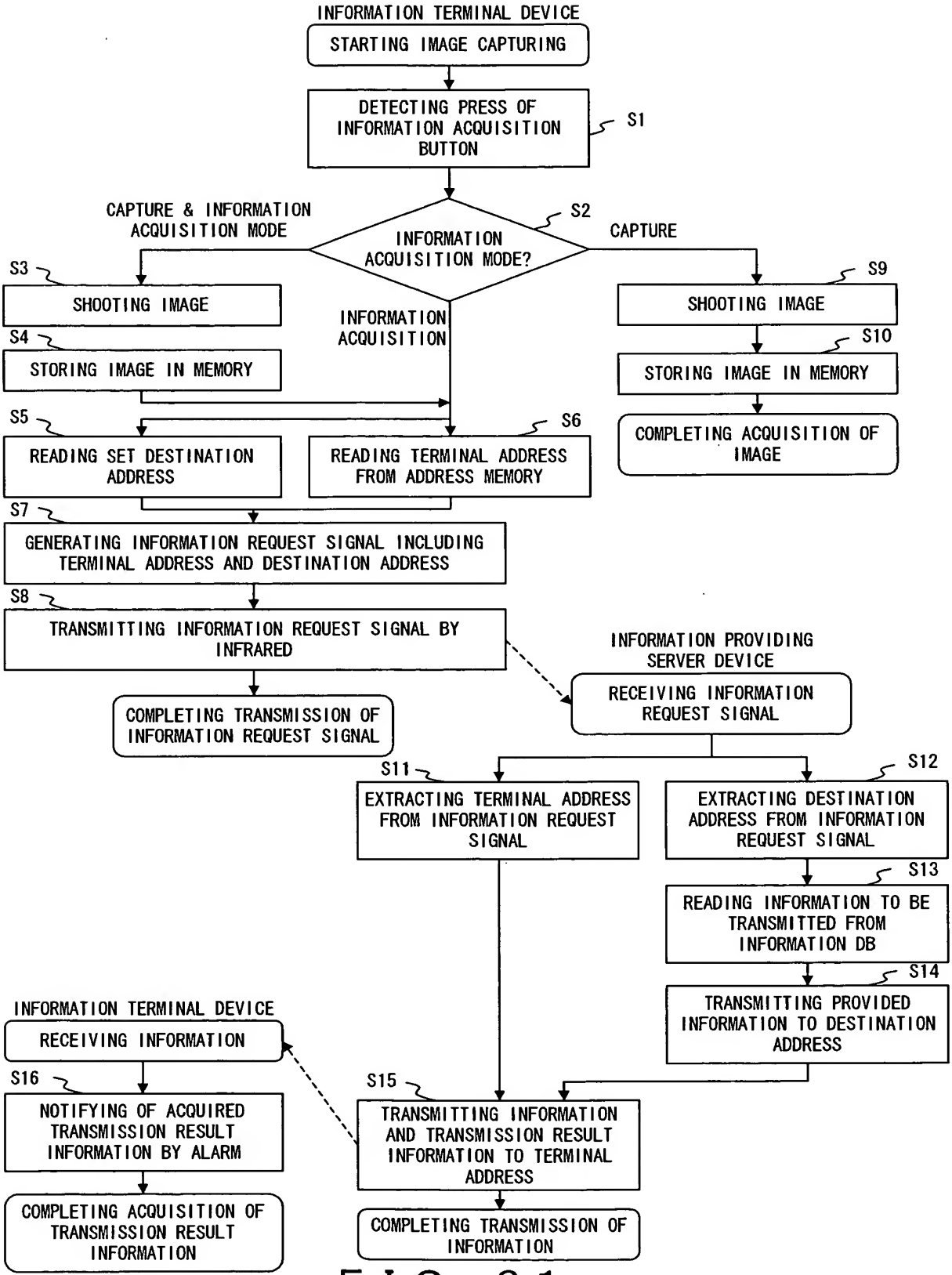
INFORMATION TERMINAL DEVICE
STARTING IMAGE CAPTURING
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
S1
INFORMATION ACQUISITION MODE?
S2
CAPTURE & INFORMATION ACQUISITION MODE
CAPTURE
INFORMATION ACQUISITION
S3
SHOOTING IMAGE
S4
STORING IMAGE IN MEMORY
S9
SHOOTING IMAGE
S10
STORING IMAGE IN MEMORY
COMPLETING ACQUISITION OF IMAGE
S5
READING SET DESTINATION ADDRESS
S6
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S7
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS AND DESTINATION ADDRESS
S8
TRANSMITTING INFORMATION REQUEST SIGNAL BY INFRARED
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S11
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S12
EXTRACTING DESTINATION ADDRESS FROM INFORMATION REQUEST SIGNAL
S13
READING INFORMATION TO BE TRANSMITTED FROM INFORMATION DB
S14
TRANSMITTING PROVIDED INFORMATION TO DESTINATION ADDRESS
INFORMATION TERMINAL DEVICE
RECEIVING INFORMATION
S16
NOTIFYING OF ACQUIRED TRANSMISSION RESULT INFORMATION BY ALARM
COMPLETING ACQUISITION OF TRANSMISSION RESULT INFORMATION
S15
TRANSMITTING INFORMATION AND TRANSMISSION RESULT INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION

FIG. 61

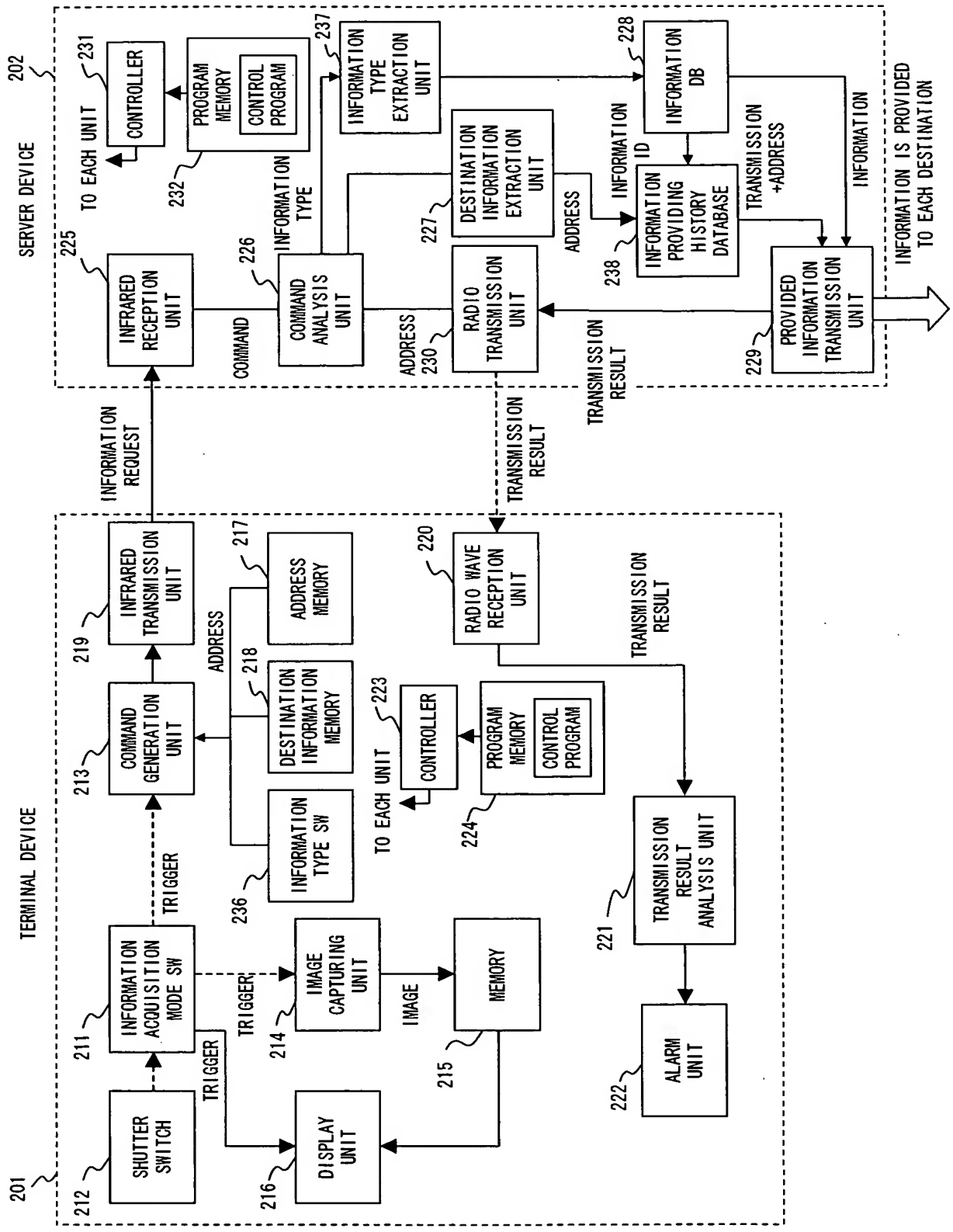
TERMINAL DEVICE
201
SHUTTER SWITCH
212
INFORMATION ACQUISITION MODE SW
211
DISPLAY UNIT
216
IMAGE CAPTURING UNIT
214
MEMORY
215
TRIGGER
TRIGGER
TRIGGER
IMAGE
COMMAND GENERATION UNIT
213
INFRARED TRANSMISSION UNIT
219
ADDRESS
DESTINATION INFORMATION MEMORY
218
ADDRESS MEMORY
217
INFORMATION TYPE SW
236
CONTROLLER
223
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
224
RADIO WAVE RECEPTION UNIT
220
TRANSMISSION RESULT
TRANSMISSION RESULT ANALYSIS UNIT
221
ALARM UNIT
222
INFORMATION REQUEST
TRANSMISSION RESULT
SERVER DEVICE
202
CONTROLLER
231
TO EACH UNIT
PROGRAM MEMORY
CONTROL PROGRAM
232
INFRARED RECEPTION UNIT
225
COMMAND
COMMAND ANALYSIS UNIT
226
INFORMATION TYPE
INFORMATION TYPE EXTRACTION UNIT
237
DESTINATION INFORMATION EXTRACTION UNIT
227
ADDRESS
RADIO TRANSMISSION UNIT
230
ADDRESS
INFORMATION ID
INFORMATION PROVIDING HISTORY DATABASE
238
INFORMATION DB
228
TRANSMISSION +ADDRESS
INFORMATION
PROVIDED INFORMATION TRANSMISSION UNIT
229
INFORMATION IS PROVIDED TO EACH DESTINATION

FIG. 62

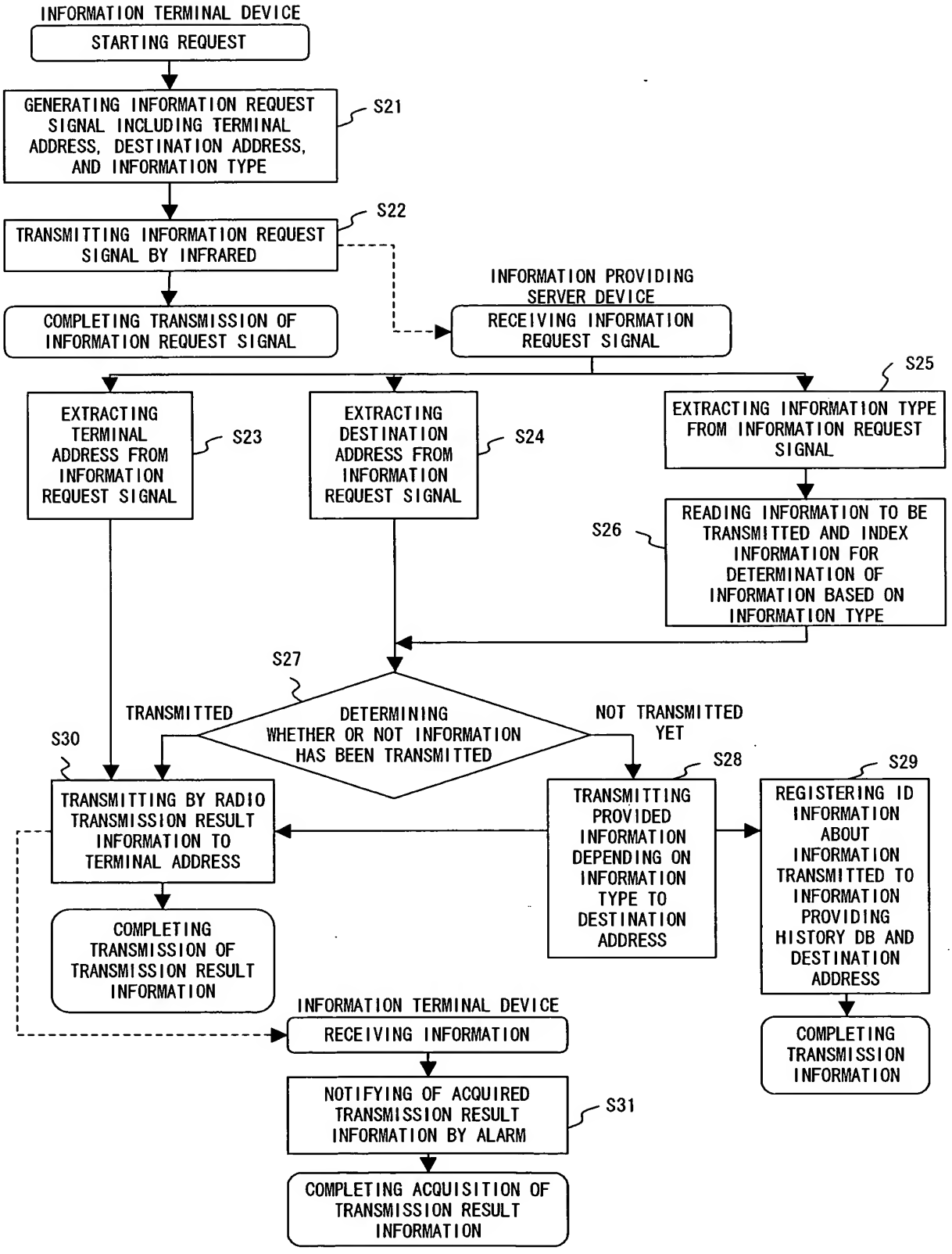
INFORMATION TERMINAL DEVICE
STARTING REQUEST
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS, DESTINATION ADDRESS, AND INFORMATION TYPE
S21
TRANSMITTING INFORMATION REQUEST SIGNAL BY INFRARED
S22
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S23
EXTRACTING DESTINATION ADDRESS FROM INFORMATION REQUEST SIGNAL
S24
EXTRACTING INFORMATION TYPE FROM INFORMATION REQUEST SIGNAL
S25
READING INFORMATION TO BE TRANSMITTED AND INDEX INFORMATION FOR DETERMINATION OF INFORMATION BASED ON INFORMATION TYPE
S26
S27
DETERMINING WHETHER OR NOT INFORMATION HAS BEEN TRANSMITTED
TRANSMITTED
NOT TRANSMITTED YET
S30
TRANSMITTING BY RADIO TRANSMISSION RESULT INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF TRANSMISSION RESULT INFORMATION
S28
TRANSMITTING PROVIDED INFORMATION DEPENDING ON INFORMATION TYPE TO DESTINATION ADDRESS
S29
REGISTERING ID INFORMATION ABOUT INFORMATION TRANSMITTED TO INFORMATION PROVIDING HISTORY DB AND DESTINATION ADDRESS
COMPLETING TRANSMISSION INFORMATION
INFORMATION TERMINAL DEVICE
RECEIVING INFORMATION
NOTIFYING OF ACQUIRED TRANSMISSION RESULT INFORMATION BY ALARM
S31
COMPLETING ACQUISITION OF TRANSMISSION RESULT INFORMATION

FIG. 63

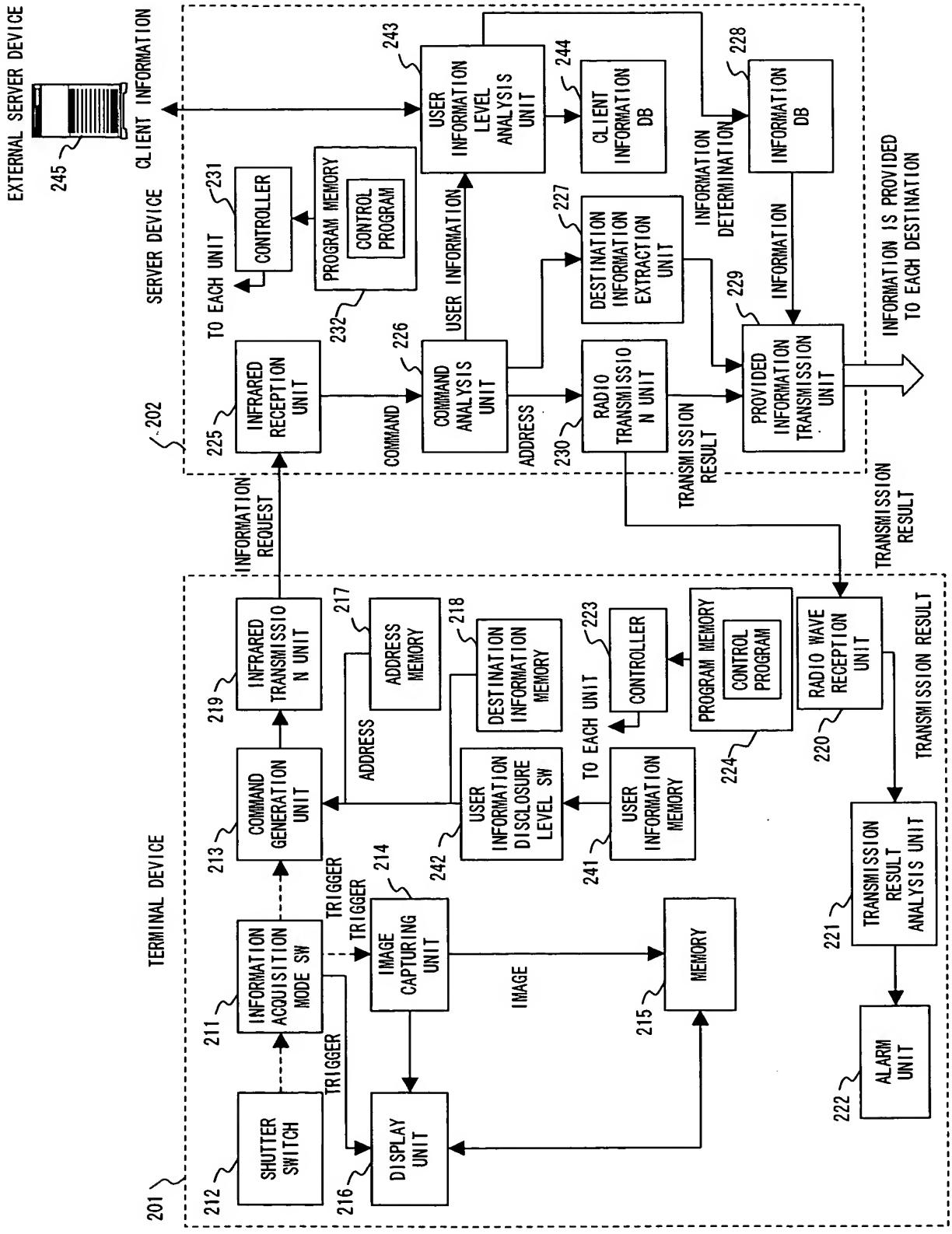
EXTERNAL SERVER DEVICE
245
CLIENT INFORMATION
SERVER DEVICE
202
INFRARED RECEPTION UNIT
225
COMMAND ANALYSIS UNIT
226
RADIO TRANSMISSION UNIT
230
PROVIDED INFORMATION TRANSMISSION UNIT
229
DESTINATION INFORMATION EXTRACTION UNIT
227
USER INFORMATION LEVEL ANALYSIS UNIT
243
CLIENT INFORMATION DB
244
INFORMATION DB
228
CONTROLLER
231
PROGRAM MEMORY
CONTROL PROGRAM
232
TO EACH UNIT
USER INFORMATION
INFORMATION DETERMINATION
INFORMATION
INFORMATION IS PROVIDED TO EACH DESTINATION
COMMAND
ADDRESS
TRANSMISSION RESULT
INFORMATION REQUEST
TRANSMISSION RESULT
TERMINAL DEVICE
201
INFRARED TRANSMISSION UNIT
219
ADDRESS MEMORY
217
DESTINATION INFORMATION MEMORY
218
CONTROLLER
223
PROGRAM MEMORY
CONTROL PROGRAM
224
RADIO WAVE RECEPTION UNIT
220
COMMAND GENERATION UNIT
213
USER INFORMATION DISCLOSURE LEVEL SW
242
USER INFORMATION MEMORY
241
ADDRESS
TO EACH UNIT
TRANSMISSION RESULT
INFORMATION ACQUISITION MODE SW
211
IMAGE CAPTURING UNIT
214
MEMORY
215
TRANSMISSION RESULT ANALYSIS UNIT
221
ALARM UNIT
222
TRIGGER
TRIGGER
TRIGGER
IMAGE
SHUTTER SWITCH
212
DISPLAY UNIT
216

FIG. 64

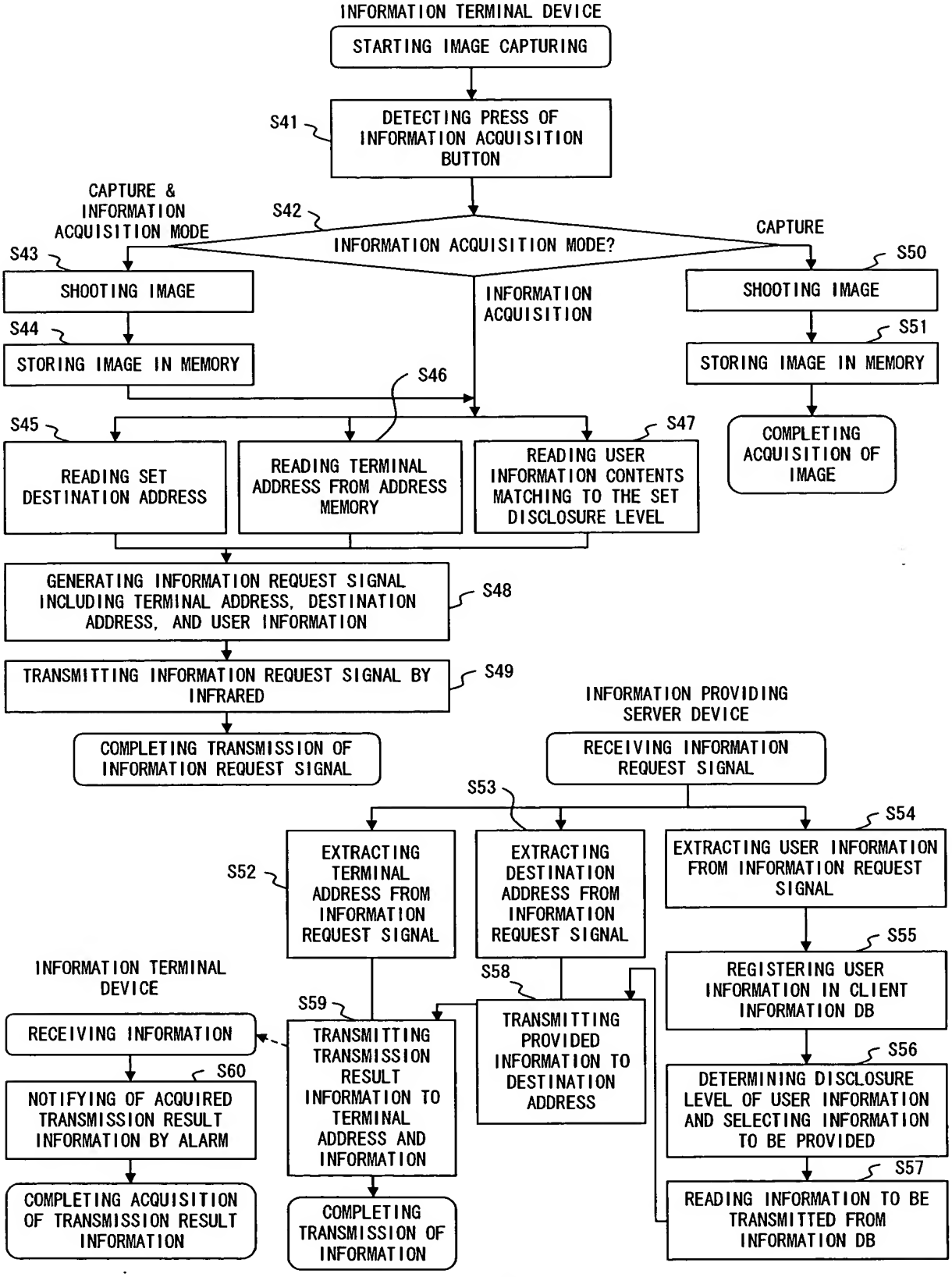
INFORMATION TERMINAL DEVICE
STARTING IMAGE CAPTURING
S41
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
CAPTURE & INFORMATION ACQUISITION MODE
S42
INFORMATION ACQUISITION MODE?
CAPTURE
S43
SHOOTING IMAGE
INFORMATION ACQUISITION
S50
SHOOTING IMAGE
S44
STORING IMAGE IN MEMORY
S51
STORING IMAGE IN MEMORY
S46
S45
READING SET DESTINATION ADDRESS
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S47
READING USER INFORMATION CONTENTS MATCHING TO THE SET DISCLOSURE LEVEL
COMPLETING ACQUISITION OF IMAGE
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS, DESTINATION ADDRESS, AND USER INFORMATION
S48
TRANSMITTING INFORMATION REQUEST SIGNAL BY INFRARED
S49
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S53
S54
S52
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
EXTRACTING DESTINATION ADDRESS FROM INFORMATION REQUEST SIGNAL
EXTRACTING USER INFORMATION FROM INFORMATION REQUEST SIGNAL
S55
REGISTERING USER INFORMATION IN CLIENT INFORMATION DB
INFORMATION TERMINAL DEVICE
S58
S59
S56
RECEIVING INFORMATION
TRANSMITTING TRANSMISSION RESULT INFORMATION TO TERMINAL ADDRESS AND INFORMATION
TRANSMITTING PROVIDED INFORMATION TO DESTINATION ADDRESS
DETERMINING DISCLOSURE LEVEL OF USER INFORMATION AND SELECTING INFORMATION TO BE PROVIDED
S60
S57
NOTIFYING OF ACQUIRED TRANSMISSION RESULT INFORMATION BY ALARM
READING INFORMATION TO BE TRANSMITTED FROM INFORMATION DB
COMPLETING ACQUISITION OF TRANSMISSION RESULT INFORMATION
COMPLETING TRANSMISSION OF INFORMATION

FIG. 65

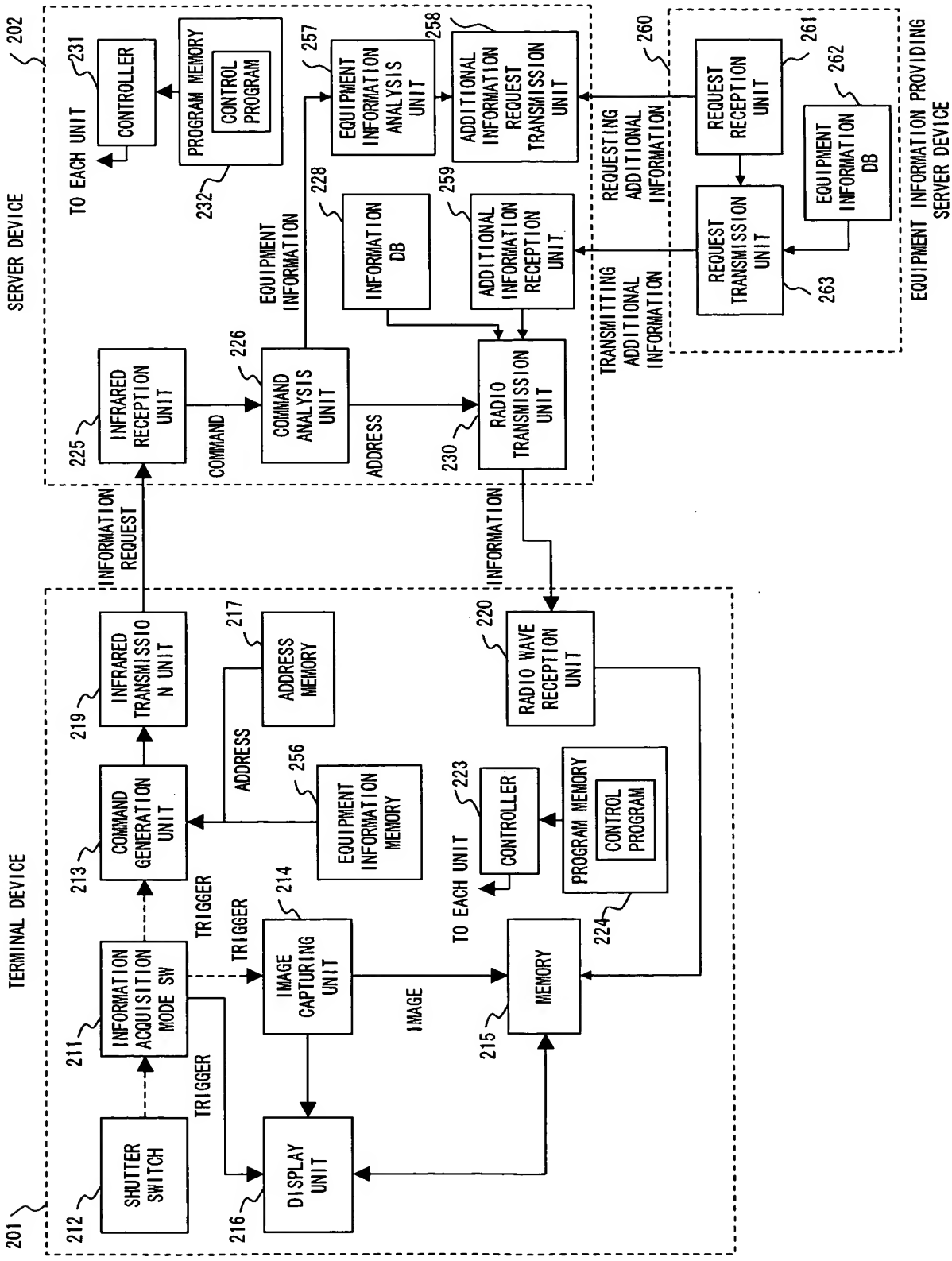
TERMINAL DEVICE
201
SHUTTER SWITCH
212
INFORMATION ACQUISITION MODE SW
211
COMMAND GENERATION UNIT
213
INFRARED TRANSMISSIO N UNIT
219
ADDRESS MEMORY
217
EQUIPMENT INFORMATION MEMORY
256
IMAGE CAPTURING UNIT
214
DISPLAY UNIT
216
MEMORY
215
RADIO WAVE RECEPTION UNIT
220
CONTROLLER
223
PROGRAM MEMORY
CONTROL PROGRAM
224
TO EACH UNIT
TRIGGER
ADDRESS
IMAGE
INFORMATION REQUEST
INFORMATION
SERVER DEVICE
202
INFRARED RECEPTION UNIT
225
COMMAND ANALYSIS UNIT
226
RADIO TRANSMISSION UNIT
230
INFORMATION DB
228
ADDITIONAL INFORMATION RECEPTION UNIT
259
EQUIPMENT INFORMATION ANALYSIS UNIT
257
ADDITIONAL INFORMATION REQUEST TRANSMISSION UNIT
258
CONTROLLER
231
PROGRAM MEMORY
CONTROL PROGRAM
232
COMMAND
ADDRESS
EQUIPMENT INFORMATION
TRANSMITTING ADDITIONAL INFORMATION
REQUESTING ADDITIONAL INFORMATION
260
EQUIPMENT INFORMATION PROVIDING SERVER DEVICE
REQUEST RECEPTION UNIT
261
EQUIPMENT INFORMATION DB
262
REQUEST TRANSMISSION UNIT
263

FIG. 66

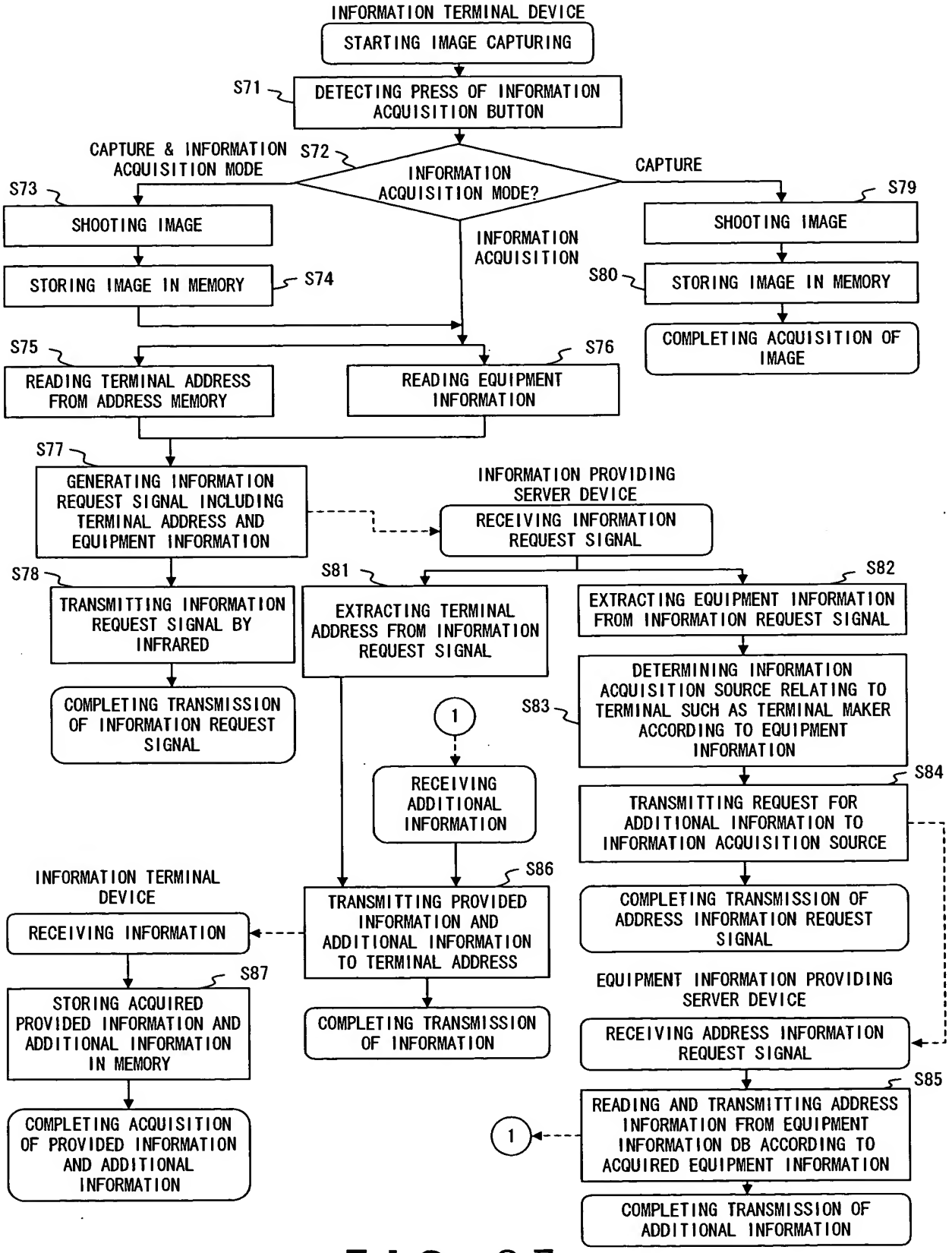
INFORMATION TERMINAL DEVICE
STARTING IMAGE CAPTURING
S71
DETECTING PRESS OF INFORMATION ACQUISITION BUTTON
CAPTURE & INFORMATION ACQUISITION MODE
S72
INFORMATION ACQUISITION MODE?
CAPTURE
S73
SHOOTING IMAGE
STORING IMAGE IN MEMORY
S74
INFORMATION ACQUISITION
S79
SHOOTING IMAGE
S80
STORING IMAGE IN MEMORY
COMPLETING ACQUISITION OF IMAGE
S75
READING TERMINAL ADDRESS FROM ADDRESS MEMORY
S76
READING EQUIPMENT INFORMATION
S77
GENERATING INFORMATION REQUEST SIGNAL INCLUDING TERMINAL ADDRESS AND EQUIPMENT INFORMATION
INFORMATION PROVIDING SERVER DEVICE
RECEIVING INFORMATION REQUEST SIGNAL
S78
TRANSMITTING INFORMATION REQUEST SIGNAL BY INFRARED
COMPLETING TRANSMISSION OF INFORMATION REQUEST SIGNAL
S81
EXTRACTING TERMINAL ADDRESS FROM INFORMATION REQUEST SIGNAL
S82
EXTRACTING EQUIPMENT INFORMATION FROM INFORMATION REQUEST SIGNAL
S83
DETERMINING INFORMATION ACQUISITION SOURCE RELATING TO TERMINAL SUCH AS TERMINAL MAKER ACCORDING TO EQUIPMENT INFORMATION
S84
TRANSMITTING REQUEST FOR ADDITIONAL INFORMATION TO INFORMATION ACQUISITION SOURCE
COMPLETING TRANSMISSION OF ADDRESS INFORMATION REQUEST SIGNAL
1
RECEIVING ADDITIONAL INFORMATION
S86
TRANSMITTING PROVIDED INFORMATION AND ADDITIONAL INFORMATION TO TERMINAL ADDRESS
COMPLETING TRANSMISSION OF INFORMATION
INFORMATION TERMINAL DEVICE
RECEIVING INFORMATION
S87
STORING ACQUIRED PROVIDED INFORMATION AND ADDITIONAL INFORMATION IN MEMORY
COMPLETING ACQUISITION OF PROVIDED INFORMATION AND ADDITIONAL INFORMATION
EQUIPMENT INFORMATION PROVIDING SERVER DEVICE
RECEIVING ADDRESS INFORMATION REQUEST SIGNAL
S85
READING AND TRANSMITTING ADDRESS INFORMATION FROM EQUIPMENT INFORMATION DB ACCORDING TO ACQUIRED EQUIPMENT INFORMATION
1
COMPLETING TRANSMISSION OF ADDITIONAL INFORMATION

FIG. 67